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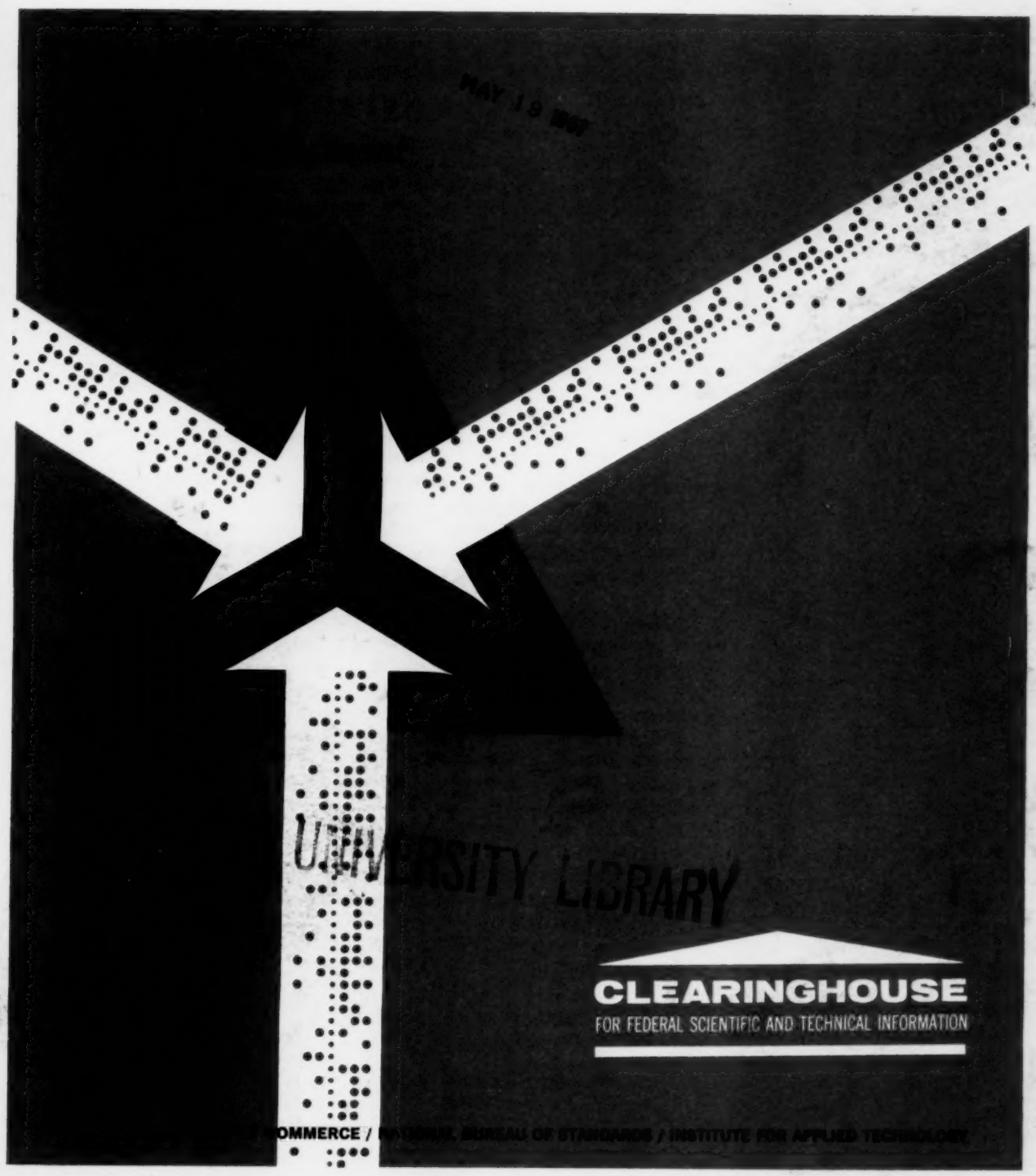
GOVERNMENT-WIDE INDEX



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Government-Wide

INDEX TO FEDERAL RESEARCH AND DEVELOPMENT REPORTS

UNCLASSIFIED REPORTS ANNOUNCED IN

NUCLEAR SCIENCE ABSTRACTS (NSA)
Atomic Energy Commission

SCIENTIFIC & TECHNICAL AEROSPACE REPORTS (STAR)
National Aeronautics and Space Administration

TECHNICAL ABSTRACT BULLETIN (TAB)
Defense Documentation Center

U.S. GOVERNMENT
RESEARCH & DEVELOPMENT REPORTS (USGRDR)
Clearinghouse for Federal Scientific and Technical Information

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INSTRUMENT FOR ACOUSTIC AND VIBRATION MEASUREMENTS.[b]
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N—Nuclear Science Abstracts, Atomic Energy Commission.

S—Scientific and Technical Aerospace Reports, National Aeronautics and Space Administration.

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STUDIES IN PERTURBATION THEORY. X. LOWER BOUNDS TO ENERGY EIGENVALUES IN PERTURBATION-THEORY GROUND STATE,
AD-647 937 20J U67 09

STUDIES IN PERTURBATION THEORY. IX. CONNECTION BETWEEN VARIOUS APPROACHES IN THE RECENT DEVELOPMENT, EVALUATION OF UPPER BOUNDS TO ENERGY EIGENVALUES IN SCHRODINGER S PERTURBATION THEORY,
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EXCITATION OF ATOMS BY ELECTRON BOMBARDMENT,
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A GENERALIZATION OF THE RASETTI AND SLATER METHODS FOR DETERMINING THE EIGENVALUES AND EIGENFUNCTIONS FOR A GIVEN ATOMIC FIELD,
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ATOMIC ORBITALS, EXCHANGE REACTIONS
SUPEREXCHANGE INTERACTION BETWEEN MAGNETIC ION PAIRS AND SUPER TRANSFERRED HYPERFINE INTERACTION IN WEAKLY COVALENT CRYSTALS,
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SHOCK TUBE SPECTROSCOPY LABORATORY, ANNUAL REPORT, 1966,
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INFLUENCE OF THE RATE OF SWEATING ON THE INHIBITORY DOSE OF ATROPINE,
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A PROTOTYPE PERIPHERAL VISION AIRCRAFT ATTITUDE DISPLAY.
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COMPUTER AND DATA PROCESSING SYSTEM WORKLOAD ANALYSIS FINAL REPORT,
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PATHOLOGICAL CHANGES IN ABDOMINAL SYMPATHETIC GANGLIA OF ANIMALS WITH FULMINATING EXPERIMENTAL DIARRHEA,
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AUXILIARY POWER SOURCE
EVALUATION PROGRAM FOR SECONDARY SPACECRAFT CELLS. ACCEPTANCE TEST OF GENERAL ELECTRIC COMPANY 12.0 AMPERE-HOUR AUXILIARY ELECTRODE CELLS.
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QUANTITATIVE ASSESSMENT OF PHAGOCYTOSIS BY MACROPHAGES IN VITRO OF ANTHRAX BACILLI OF DIFFERENT VIRULENCE. REPT. I. PRINCIPLES OF THE METHOD AND ITS RELIABILITY,
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AN INSTANCE OF THE ISOLATION OF PSEUDOTUBERCULOSIS BACTERIOPHAGE FROM E. COLI.
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VAPOR LUBRICATION OF HIGH SPEED BALL BEARINGS.
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TRACK CHARTS, BATHYMETRY, AND LOCATION OF OBSERVATIONS, ATLANTIS CRUISE NO. 266, NORTH ATLANTIC OCEAN, EAST-WEST, NORTH-SOUTH FEATURES AND CORAL BANKS SURVEY, JUNE 20, 1961-JULY 26, 1961.
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ECHOLOCATION MECHANISMS IN NEOTROPICAL BATS.
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EIGHT BATS FROM TRINIDAD.
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SWASH PROCESSES AND BEACH CHARACTERISTICS.
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BENZENE, PHOSPHORESCENCE
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AD-647 927 7C U67 09

BENZENE, SYNTHESIS
BENZENE SYNTHESIS BY LOW TEMPERATURE CATALYSIS FOR RADIOCARBON DATING.
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AN ANNOTATED BIBLIOGRAPHY AND RESEARCH REVIEW ON THE DEVELOPMENT OF A LONG RANGE PLAN FOR ENGINEERING RESEARCH ON FLEXIBLE PAVEMENTS.
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PRESTRESSED CONCRETE IN NUCLEAR PRESSURE VESSELS A BIBLIOGRAPHY OF CURRENT LITERATURE.
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THEORY AND GENERAL CHARACTERISTICS OF PLANCK BLACKBODY RADIATION,
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COAGULATION CHANGES IN CLINICAL HEMORRHAGIC SHOCK,
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PROGNOSTIC SIGNIFICANCE OF COAGULATION STUDIES IN CLINICAL SHOCK,
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BLOOD PRESSURE, MEASUREMENT
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BLUNT BODIES, DRAG
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TWO-DIMENSIONAL VISCOUS HYPERSONIC FLOW OVER SIMPLE BLUNT BODIES INCLUDING SECOND-ORDER EFFECTS,
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PALLET BOLT DEVELOPMENT,
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THE EFFECT OF GALVANIZING AND OF OTHER SURFACE TREATMENTS ON HIGH TENSILE BOLTS AND BOLTED JOINTS,
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THERMOELECTRIC BONDING STUDY PHASE III SUMMARY REPORT,
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UNITIZED CARLOADING,
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THE USE OF GLUE IN THE FORMATION OF UNIT LOADS,
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C-REACTIVE PROTEIN IN ORONTOGENOUS OSTEOMYELITIS,
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TOXICOLOGY OF BORON HYDRIDES-STUDIES OF ALTERATIONS IN TISSUE AMINES BY TOXIC DECABORANE-14 (B10H14) AND PENTABORANE-9 (B5H9) AS MODIFIED BY HYDRAZINES AND PROPYNYLAMINES,
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SUPERCONDUCTIVITY AND THE D-SHELL,
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THERMODYNAMICS OF CERTAIN REFRACTORY COMPOUNDS. VOLUME II. THERMODYNAMIC TABLES, BIBLIOGRAPHY, AND PROPERTY FILE SECTIONS VII, VIII, IX,
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ADSORPTION OF POLAR COMPOUNDS ON AMORPHOUS BORON,
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BOUNDARY LAYER SEPARATION IN A CENTERBODY NOZZLE WITH PARALLEL SHROUD,
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COMMENTS ON APPROXIMATE SOLUTION OF SECOND-ORDER BOUNDARY-LAYER EQUATIONS ,
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ON APPROXIMATING EXTREMALS OF FUNCTIONALS. PART II. THEORY AND GENERALIZATIONS RELATED TO BOUNDARY VALUE PROBLEMS FOR NON-LINEAR DIFFERENTIAL EQUATIONS,
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NORMAL SOLVABILITY AND THE INDEX OF THE BOUNDARY-VALUE PROBLEM FOR A FIRST-ORDER ELLIPTIC SYSTEM ON AN ORIENTABLE SURFACE WITH A BOUNDARY,
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ON A BOUNDARY-VALUE PROBLEM,
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NOVEL IMMERSION SCANNER AND DISPLAY SYSTEM FOR ULTRASONIC BRAIN TOMOGRAPHY,
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HORIZONTAL SCANNING OF THE HEAD WITH ULTRASOUND,
AD-648 639 6L U67 09

BRAYTON CYCLE
TURBINE RESEARCH PACKAGE FOR RESEARCH AND DEVELOPMENT OF HIGH PERFORMANCE TURBOALTERNATOR FINAL REPORT,

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FAST BREEDER REACTORS AND THE SPREAD OF PLUTONIUM.
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PLANNING AND FEASIBILITY STUDY OF A WILLIAMETTE RIVER BRIDGE, YAMHILL AND MARION COUNTIES, OREGON,
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CAUSES UNDERLYING THE LOWERING OF THE NATURAL RESISTANCE OF IRRADIATED ANIMALS TO LIVE BRUCELLOSIS VACCINE,
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PR-174 254 9C U67 09 HC$ 3.00 MF$ 0.65

VM-88 OSCILLOSCOPE OS-4/AP(AN/USM-25),
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CARBON DIOXIDE, INFRARED SPECTROSCOPY
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CARBON, METALS
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CARGO SHIPS, STORAGE
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COLD FLOW TEST
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COLEOPTERA, PEST CONTROL
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COMBINATORIAL ANALYSIS, SET THEORY
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SPECTROGRAPHIC ANALYSIS OF ROCKET NOZZLE FLOW.
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COMBUSTION PRODUCTS, THERMAL RADIATION
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COMBUSTION, SOLID ROCKET PROPELLANTS
MECHANISM OF CATALYTIC IGNITION AND COMBUSTION OF SOLID ROCKET PROPELLANTS.
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COMBUSTION, SPECTROSCOPY
SPECTROSCOPIC STUDY OF REACTION IN A HYDROGEN DISCHARGE.
ATI-89 486 21B U67 09 HC$ 3.00

COMBUSTION, THEORY
THEORETICAL PERFORMANCE WITH EXTERNAL BURNING ON SURFACE.
AD-648 928 21B U67 09 HC$ 3.00

COMMERCE, SWITZERLAND
SWITZERLAND.
PB-169 269-1 5C U67 09 HC$ 3.00 MF$ 0.65

COMMUNICATION
THE DIFFERENTIAL PERFORMANCE OF INFORMATION CHANNELS IN THE TRANSFER OF TECHNOLOGY.

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COMMUNICATION SYSTEM
STUDY OF CONCEPTUAL DEEP SPACE MONITOR COMMUNICATIONS SYSTEMS USING A SINGLE EARTH SATELLITE, VOLUME III - APPENDIX FINAL REPORT.
N67-18654 17B S05 08 MC$ 3.00 MF$ 0.65

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N67-18729 9F S05 08 MC$ 3.00 MF$ 0.65

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COST-EFFECTIVENESS ANALYSIS APPLIED TO HF COMMUNICATIONS LINK.
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COMMUNICATIONS SATELLITE
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COMMUNISM, CHINA
POWER AND PROGRESS IN REVOLUTIONIZING CHINA.
AD-648 538 5D U67 09

COMPLEX COMPOUNDS, FLUORINES
THE SYSTEMS XENON HEXAFLUORIDE - GERMANIUM TETRAFLUORIDE AND XENON HEXAFLUORIDE - SILICON TETRAFLUORIDE.
AD-647 959 7B U67 09 MC$ 3.00 MF$ 0.65

COMPLEX COMPOUNDS, SYNTHESIS(CHEMISTRY)
STRUCTURE OF DIMETHYLGOLD(III) COMPOUNDS. SPECTROSCOPIC STUDIES ON THE AQUO ION AND SEVERAL COORDINATION COMPOUNDS.
AD-648 258 7D U67 09

COMPLEX VARIABLES, DIFFERENTIAL EQUATIONS
ON THE CONTINUOUS DEPENDENCE OF THE SOLUTIONS OF DIFFERENTIAL EQUATIONS ON A PARAMETER.
AD-648 351 12A U67 09 MC$ 3.00 MF$ 0.65

COMPOSITE MATERIAL
EVALUATION OF REFRACTORY/AUSTENITIC BIMETAL COMBINATIONS THIRD PROGRESS REPORT, DEC. 22, 1965 - JUN. 22, 1966.
N67-18742 11F S05 08 MC$ 3.00 MF$ 0.65

COMPOSITE MATERIALS, FILAMENT WOUND CONSTRUCTION
RESEARCH AND DEVELOPMENT OF TITANIUM ROCKET MOTOR CASE.
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COMPOSITE MATERIALS, ROLLING(METALLURGY)
DEVELOPMENT OF PRACTICE FOR COMPOSITE ROLLING OF STRUCTURAL METAL PANELS.
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COMPOSITE MATERIALS, TENSILE PROPERTIES
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE TENSILE MODULI OF PARALLEL FILAMENT COMPOSITES.
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COMPRESSOR BLADES, PERFORMANCE(ENGINEERING)
ABOUT THE INFLUENCE OF THE NUMBER OF OPERATING BLADES OF AXIALLY RADIAL COMPRESSOR UPON ITS CHARACTERISTICS.
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COMPRESSOR ROTOR
SINGLE STAGE EXPERIMENTAL EVALUATION OF SLOTTED ROTOR AND STATOR BLADING, PART IV- DATA AND PERFORMANCE FOR SLOTTED ROTOR 2.
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COMPTON EFFECT
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COMPUTER
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N67-18723 6P S05 08 MC$ 3.00 MF$ 0.65

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COMPUTER PROGRAM
COMPUTER PROGRAM FOR DESIGN-POINT PERFORMANCE OF TURBOJET AND TURBOFAN ENGINE CYCLES.
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N67-19153 9R S05 08 MC$ 3.00 MF$ 0.65

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COMPUTER PROCEDURES AND PROGRAMS FOR THE AUTOMATION OF CONATIVE PROCESSES.
AD-648 267 9B U67 09 MC$ 3.00 MF$ 0.65

COMPUTER EXPERIMENTS IN MOTOR LEARNING.
AD-648 534 9R U67 09

COMPUTER PROGRAMS, COSTS
MISCOM - AN INDIVIDUAL MISSILE WEAPON SYSTEM COMPUTER COST MODEL.
AD-647 975 16D U67 09 MC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, DECISION THEORY
CONVERSION OF LIMITED-ENTRY DECISION TABLE TO OPTIMAL COMPUTER PROGRAMS II. MINIMUM STORAGE REQUIREMENT.
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COMPUTER PROGRAMS, DIGITAL COMPUTERS
DATA EDITING AND PROCESSING COMPUTER PROGRAM FOR ULTRACENTRIFUGE MOVING BOUNDARY SCHLIEREN PATTERN CALCULATIONS.
BNL-998 9R N21 06 MC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, LOADING(MECHANICS)
K,D,F,9 AND PEGASUS COMPUTER SPECIFICATIONS ELASTIC ANALYSIS OF GRILLAGES UNDER COMBINED LATERAL AND AXIAL LOADS.
AD-648 144 13M U67 09 MC$ 3.00 MF$ 0.65

COMPUTER PROGRAMS, ORBITAL TRAJECTORIES
THE DYNAMIC MODEL OF PROP, A COMPUTER PROGRAM FOR THE REFINEMENT OF THE ORBITAL PARAMETERS OF AN EARTH SATELLITE.
AD-648 538 22C U67 09 MC$ 3.00 MF$ 0.65

COMPUTER SIMULATION
MAN-COMPUTER ROLES IN SPACE NAVIGATION AND GUIDANCE, PHASE I.
N67-18728 5M S05 08 MC$ 3.00 MF$ 0.65

COMPUTERS, MAN-MACHINE SYSTEMS
PROJECT MAC PROGRESS REPORT III, JUL 1965 TO JULY 1966.
AD-648 346 9R U67 09 MC$ 3.00 MF$ 0.65

CONCRETE, BUBBLES
THE PROTECTED PASTE VOLUME CONCEPT USING NEW AIR VOID MEASUREMENT AND DISTRIBUTION TECHNIQUES.
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MONTE CARLO CALCULATIONS OF THE PENETRATION OF NORMALLY INCIDENT NEUTRON BEAMS THROUGH CONCRETE.
ORNL-3926 18F N21 06 MC$ 3.00 MF$ 0.65

CONCRETE, SPRAYS
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AD-648 408 11R U67 09 MC$ 3.00 MF$ 0.65

CONDUCTING MEDIUM
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N67-18714 20I S05 08 MC$ 3.00 MF$ 0.65

CONTINUUM ELECTROMECHANICS GROUP ELECTROMECHANICAL CO-STREAMING AND COUNTER- STREAMING INSTABILITIES.
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N67-19084 20C S05 08 MC$ 3.00 MF$ 0.65

CONFERENCE
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SEPARATED FLOWS, PART II.
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CONFINED ENVIRONMENTS, STRESS(PHYSIOLOGY)
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AD-648 128 6C U67 09 MC$ 3.00 MF$ 0.65

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THE PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN SWEAT AND FACTORS AFFECTING THE WATER BALANCE IN CONFINED SPACES SEMI-ANNUAL STATUS REPORT, NO. 3, 1 JUL. - 31 DEC. 1966.
N67-19216 6S S05 08 MC$ 3.00 MF$ 0.65

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CONTAINERS, ACCEPTABILITY
COLLAPSIBLE ALUMINUM HOUSEHOLD EFFECTS SHIPPING CONTAINER.
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CONTAINERS, ARMED FORCES SUPPLIES
REUSABLE CONTAINERS.
AD-648 328 13D U67 09 MC$ 3.00 MF$ 0.65

CONTAINERS, BONDING
UNITIZED CARLOADING.
AD-647 968 13D U67 09 MC$ 3.00 MF$ 0.65

CONTAINERS, CARGO
INFORMATION REPORT ON THE DEVELOPMENT OF A UNIT CARGO SHIPPING CONTAINER.
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CONTAINERS, CONSTRUCTION
HOUSEHOLD EFFECTS CONTAINER INVESTIGATION.
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CONTAINERS, HANDLING

FORK LIFT TRUCK ATTACHMENTS (DRUM HANDLERS),
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GLUED UNITIZED LOADS,
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CONTAINERS, MECHANICAL FASTENERS
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CONTAINERS, PLYWOOD
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AD-647 964 13E U67 09 HC$ 3.00 MF$ 0.65

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RELATIVE TO THE STANDARDIZATION OF ARMY AND NAVY UNIT LOAD SHIPPING CONTAINERS,
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CONTAINERS, TEMPERATURE CONTROL
SHIPPING CONTAINERS FOR BIOLOGICALS,
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CONTAINERS, TRANSPORTATION
FIRE TEST AND THERMAL BEHAVIOR OF 15-TON LEAD-SHIELDED CASK,
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CONTROL DEVICE
AN INVESTIGATION OF THE BEHAVIOR OF A PASSIVE HEAT TRANSFER CONTROL DEVICE,
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CONTROL ROCKET
DEVELOPMENT OF THE SUBLIMING SOLID CONTROL ROCKET, PHASE II,
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ANALYTICAL DESIGN OF MANNED CONTROL SYSTEMS.
N67-19041 22B S05 08 HC$ 3.00 MF$ 0.65

CONTROL SYSTEMS, ARTIFICIAL LIMBS
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AD-648 272 6R U67 09

CONTROL SYSTEMS, OPTIMIZATION
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PR-173 641 12B U67 09 HC$ 3.00 MF$ 0.65

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AD-648 705 12B U67 09

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AD-648 505 6K U67 09 HC$ 3.00 MF$ 0.65

CONTROL, THEORY
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AD-648 551 12A U67 09

CONVECTION(HEAT TRANSFER), ICE
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AD-648 515 8L U67 09 HC$ 3.00 MF$ 0.65

CONVECTION(HEAT TRANSFER), PERIODIC VARIATIONS
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AD-648 A98 20M U67 09

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CONVERGENT-DIVERGENT NOZZLE FLOWS,
N67-18943 1A S05 08 HC$ 3.00 MF$ 0.65

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AD-648 A6R 12A U67 09

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CONVEYORS, INSTRUCTION MANUALS
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AD-648 013 15E U67 09 HC$ 3.00 MF$ 0.65

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N67-18648 7D S05 08 HC$ 3.00 MF$ 0.65

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POSSIBLE RELATION OF FRICTION OF COPPER- ALUMINUM ALLOYS WITH DECREASING STACKING-FAULT ENERGY.
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COPPER, CYCLOTRON RESONANCE PHENOMENA
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CORIOLIS EFFECT
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THE CORIOLIS ACCELERATION PLATFORM - A UNIQUE VESTIBULAR RESEARCH DEVICE.
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CORPUSCULAR RADIATION
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CORRELATORS, ELECTROOPTICS
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COSMIC RADIATION
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GALACTIC RADIATION EXPOSURE IN SPACE,
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COULOMB COLLISION
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CRYOGENIC PROPELLANT
EVALUATION OF CRYOGENIC INSULATION MATERIALS AND COMPOSITES FOR USE IN NUCLEAR RADIATION ENVIRONMENTS QUARTERLY PROGRESS REPORT, 30 JUN. - 30 SEP. 1966,
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N67-19049 8F S05 08 HC$ 3.00 MF$ 0.65

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AD-648 685 20L U67 09

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CRYOPUMPING OF CO2 NOZZLE FLOW BY 77K CRYOSURFACE,
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AD-648 135 5G U67 09 HC$ 3.00 MF$ 0.65

ENGLISH LANGUAGE, LINGUISTICS
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AD-647 981 5G U67 09

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EQUILIBRIUM
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AD-648 432 7D U67 09

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AD-648 334 13F U67 09 HC$ 3.00 MF$ 0.65

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INTERIM FLIGHT REPORT, ANCHORED INTERPLANETARY MONITORING PLATFORM AIMP I - EXPLORER XXXIII.
N67-18699 22B S05 08 HC$ 3.00 MF$ 0.65

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UCRL-50134 19A N21 06 HC$ 3.00 MF$ 0.65

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EXTRATERRESTRIAL MATTER
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ANALYSIS OF ANCIENT SEDIMENTS AND EXTRA-TERRESTRIAL MATERIALS SEMIANNUAL REPORT, 1 JUN. - 30 NOV. 1966.
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EXTRATERRESTRIAL RADIO WAVES, MICROWAVE FREQUENCY
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N67-18364 14B S05 08 HC$ 3.00 MF$ 0.65

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HETEROGENEITY IN THE DISLOCATION ASSEMBLY - ITS EFFECT UPON THE PROBABILITY OF FATIGUE FAILURE.
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FALLOUT SHELTERS, VENTILATION
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FAST NEUTRON
THE RADIATION AND THERMAL DECOMPOSITION OF TERPHENYLS AND HYDROTERPHENYLS (A SUMMARY OF CANADIAN EXPERIENCE).
N67-19178 7F S05 08 HC$ 3.00 MF$ 0.65

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FAST NEUTRON CROSS SECTIONS INFERRED FROM CHARGED-PARTICLE DATA AND FROM THE APPLICATION OF NUCLEAR MODELS.
UCRL-14955 20M N21 06 HC$ 3.00 MF$ 0.65

FAST REACTORS, REACTOR SAFETY SYSTEMS
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FASTENINGS, PAINT PRIMERS
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AD-648 180 11C U67 09 HC$ 3.00 MF$ 0.65

FATIGUE TEST
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AD-648 708 20K U67 09

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AD-648 487 19D U67 09 MF$ 0.65

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FEASIBILITY STUDIES, BRIDGES
PLANNING AND FEASIBILITY STUDY OF A WILLIAMETTE RIVER BRIDGE, YAMHILL AND MARION COUNTIES, OREGON.
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FEASIBILITY STUDIES, URBAN AREAS
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AD-648 699 5A U67 09 HC$ 3.00 MF$ 0.65

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N67-19102 6C S05 08 HC$ 3.00 MF$ 0.65

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AD-648 550 20A U67 09

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AD-647 994 20C U67 09

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FIELD EMISSION IN LIQUIDS.
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STUDIES ON THE IMMUNO-EPIDEMIOLOGY OF PARASITIC INFECTIONS IN NEW GUINEA. I. POPULATION STUDIES ON THE RELATIONSHIP OF A SKIN TEST TO MICROFILARAEMIA.
AD-648 623 6E U67 09

FILMS, CIRCUIT INTERCONNECTIONS
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FINITE DIFFERENCE METHOD
NUMERICAL TECHNIQUES FOR THE SOLUTION OF SYMMETRIC POSITIVE LINEAR DIFFERENTIAL EQUATIONS.
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FINNED BODY
INVESTIGATION OF TURBULENT SEPARATED FLOWS IN THE VICINITY OF FIN-TYPE PROTUBERANCES AT SUPERSONIC MACH NUMBERS.
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FIRES, NUCLEAR EXPLOSION DAMAGE
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FIRING ERROR INDICATORS, SENSORS
LIVE-FIRE SCORING SYSTEM STUDY.
AD-648 868 19E U67 09 HC$ 3.00 MF$ 0.65

FIRST ORDER EQUATION
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FLAMES, REACTION KINETICS
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AD-648 824 19A U67 09 HC$ 3.00 MF$ 0.65

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AD-648 612 21B U67 09 HC$ 3.00 MF$ 0.65

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PILOT-INDUCED OSCILLATIONS THEIR CAUSE AND ANALYSIS.
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FLIGHT INSTRUMENTS, HUMAN ENGINEERING
PILOT SIMULATOR PERFORMANCE WITH STANDARD AND VERTICAL READING PRIMARY FLIGHT INSTRUMENTS.
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ATI-107 647 5I U67 09 HC$ 3.00

FLIGHT SIMULATORS, HUMAN ENGINEERING
PILOT SIMULATOR PERFORMANCE WITH STANDARD AND VERTICAL READING PRIMARY FLIGHT INSTRUMENTS.
AD-648 395 5I U67 09 HC$ 3.00 MF$ 0.65

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PILOT PERFORMANCE MEASUREMENT EQUIPMENT FOR AN ELECTRONIC FLIGHT SIMULATOR.
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N67-19355 1A S05 08 HC$ 3.00 MF$ 0.65

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FLOW STABILITY
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FLOW VELOCITY
AN OPTICAL METHOD OF MEASURING FLOW VELOCITY IN AN ARC-HEATED WIND TUNNEL.
N67-18257 20D S05 08 HC$ 3.00 MF$ 0.65

FLUID FLOW, SOUND
AEOLIAN TONES PRODUCED BY FLEXIBLE CABLES IN A FLOW STREAM.
AD-648 504 20A U67 09 HC$ 3.00 MF$ 0.65

FLUID FLOW, STABILITY
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AD-647 916 20D U67 09 HC$ 3.00 MF$ 0.65

FLUID FLOW, VELOCITY
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FLUID FLOW, VISCOELASTICITY
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AD-648 606 20D U67 09

FLUID JET
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N67-18714 20I S05 08 HC$ 3.00 MF$ 0.65

ELECTROMECHANICAL STREAM-STRUCTURE INSTABILITIES.
N67-19084 20C S05 08 HC$ 3.00 MF$ 0.65

FLUID MECHANICS
FORCED DISCONTINUOUS OSCILLATIONS OF A FLUID IN A PIPELINE.
N67-18481 20D S05 08 HC$ 3.00 MF$ 0.65

RADIAL STATIC PRESSURE DISTRIBUTIONS IN CONFINED COMPRESSIBLE VORTEX FLOW FIELDS.
N67-18655 20D S05 08 HC$ 3.00 MF$ 0.65

AN ORBITAL FACILITY FOR LOW GRAVITY FLUID MECHANICS EXPERIMENTS.
N67-18947 22F S05 08 HC$ 3.00 MF$ 0.65

CONTINUUM ELECTROMECHANICS GROUP ELECTROMECHANICAL CO-STREAMING AND COUNTER- STREAMING INSTABILITIES.
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AN INVESTIGATION OF APPROXIMATE SOLUTIONS TO FLUID DYNAMICS AND HEAT TRANSFER PROBLEMS BY VARIATIONAL METHODS.
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AD-647 909 22A U67 09

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FLUORESCENT ANTIBODY TECHNIQUES, BACILLUS ANTHRACIS
FLUORESCENT GLOBULIN FRACTIONS OF PRECIPITATING ANTHRAX ANTISERUM AND THEIR SPECIFIC ACTIVITY.
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FLUORESCENT ANTIBODY TECHNIQUES, RICKETTSIA
FLUORESCENT ANTIBODIES FOR THE DETECTION OF RICKETTSIAE (REVIEW OF THE LITERATURE).
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FLUORIDES, CHEMICAL BONDS
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FLUORIDES, COMPLEX COMPOUNDS
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FLUORIDES, QUANTITATIVE ANALYSIS
THE POTENTIOMETRIC DETERMINATION OF FLUORIDE WITH LANTHANUM NITRATE AND ITS APPLICATION TO THE MICRO-DETERMINATION OF FLUORINE IN ORGANIC COMPOUNDS.
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FLUOROCARBON
FLUORIDE ION REACTIONS OF FLUOROCARBON DERIVATIVES FINAL REPORT.
N67-19134 7C S05 08 HC$ 3.00 MF$ 0.65

FOAMED MATERIAL

DEVELOPMENT OF LIGHTWEIGHT THERMAL INSULATION MATERIALS FOR RIGID HEAT SHIELDS FINAL SUMMARY REPORT, 25 JUN, 1964 - 25 SEP, 1966.
N67-19125 11G S05 08 HC$ 3.00 MF$ 0.65

FOAMS, DENSITY
CREEP BEHAVIOR OF POLYSTYRENE BEAD FOAM UNDER UNIAXIAL COMPRESSION.
UCRL-50125 11I N21 06 HC$ 3.00 MF$ 0.65

FOG, COUNTERMEASURES
IMPROVING VISIBILITY DURING PERIODS OF SUPERCOOLED FOG.
AD-648 484 4B U67 09 HC$ 3.00 MF$ 0.65

FOG, VISIBILITY
EFFECT OF BACKSCATTER FROM AIRCRAFT BEACON LIGHTS ON TARGET VISIBILITY IN FOG.
AD-648 611 1B U67 09 HC$ 3.00 MF$ 0.65

FOOD
POPULATION GROWTH IN MAN AND ITS CONSEQUENCES.
N67-18621 5K S05 08 HC$ 3.00 MF$ 0.65

FOOD DISPENSING, COFFEE
THE ACCEPTABILITY OF FROZEN COFFEE CONCENTRATES. THE EFFICIENCY OF A NEWLY DEVELOPED UNIT FOR DISPENSING LIQUID COFFEE CONCENTRATES.
AD-648 345 6H U67 09 HC$ 3.00 MF$ 0.65

FOOD DISPENSING, SHIPBORNE
EVALUATION OF BEVERAGE RECONSTITUTING AND DISPENSING DEVICE.
AD-648 075 6H U67 09 HC$ 3.00 MF$ 0.65

FOOD, REFRIGERATION SYSTEMS
EVALUATION OF A PROTOTYPE UNDERCOUNTER REFRIGERATOR.
AD-648 170 13A U67 09 HC$ 3.00 MF$ 0.65

FOOD, STORAGE
HIGH-YIELD FOOD TRAINING PROGRAM FOR COMSUBLANT COMMISSARYMEN 23 AUG 1961.
AD-648 339 6H U67 09 HC$ 3.00 MF$ 0.65

HIGH-YIELD FOOD TRAINING PROGRAM FOR COMSUBLANT COMMISSARYMEN 19 JUNE-21 JUNE 1961.
AD-648 342 6H U67 09 HC$ 3.00 MF$ 0.65

FORCE FIELD
OPTIMUM TRAJECTORIES IN A CENTRAL FORCE FIELD.
N67-18944 22C S05 08 HC$ 3.00 MF$ 0.65

FORCED OSCILLATION
FORCED DISCONTINUOUS OSCILLATIONS OF A FLUID IN A PIPELINE.
N67-18401 20D S05 08 HC$ 3.00 MF$ 0.65

FOREIGN AID, MILITARY PERSONNEL
CONFLICTS OF CULTURE AND THE MILITARY ADVISOR.
AD-648 312 5J U67 09 HC$ 3.00 MF$ 0.65

FOREIGN POLICY, UNITED STATES
AMERICAN POLICY-MAKING PRACTICES AND THE ORIGINS OF THE U. S. COMMITMENT TO THE WEST BERLIN ENCLAVE.
AD-648 317 5D U67 09 HC$ 3.00 MF$ 0.65

FOREST FIRES, NUCLEAR EXPLOSION DAMAGE
EFFECTS OF ATOMIC EXPLOSIONS ON FOREST FUELS.
AD-648 231 15F U67 09 HC$ 3.00 MF$ 0.65

FOREST FIRES, PROBABILITY
A CRITICAL LOOK AT THE DATA PROBLEM IN STUDIES OF WILDLAND FLAMMABILITY.
AD-648 527 13L U67 09 HC$ 3.00 MF$ 0.65

FORESTRY, VISIBILITY
VISIBILITY MEASUREMENT IN FORESTED AREAS.
AD-648 238 20F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, ACCEPTABILITY
TIERING TRANSPORTER.
AD-648 376 15E U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, ENGINE MUFFLERS
INSTRUCTION MANUAL OXY-CATALYST MUFFLER.
AD-648 275 13F U67 09 HC$ 3.00 MF$ 0.65

INSTALLATION OF CARBON MONOXIDE ELIMINATOR MUFFLERS.
AD-648 334 13F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, HANDLING
FORK LIFT TRUCK ATTACHMENTS EVALUATION OF THE CASCADE SIDE SHIFT LOAD GRAB AND ASSOCIATED GRIPPER ATTACHMENTS.
AD-648 302 13F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, SHIPBORNE
EVALUATION OF UNIT LOADS IN UNDERWAY REPLENISHMENT ABOARD THE USS RIGEL (AF-58).
AD-648 300 13F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, SKIDDING
TEST AND EVALUATION OF FORK TRUCK AND GRATINGS FOR SHIPBOARD USE.
AD-648 294 13F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, TEST METHODS
PROPOSED TEST AGENDA FOR EVALUATION OF MATERIALS HANDLING EQUIPMENT. PART I - GASOLINE POWERED FORK TRUCKS.
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FORK-LIFT VEHICLES, TIRES
NON-SKID FORK TRUCK TIRES.
AD-648 008 13F U67 09 HC$ 3.00 MF$ 0.65

FORK-LIFT VEHICLES, VEHICLE ACCESSORIES
FORK LIFT TRUCK ATTACHMENTS (DRUM HANDLERS).
AD-648 265 13F U67 09 HC$ 3.00 MF$ 0.65

FORTRAN
ANALYTICAL PROCEDURE AND COMPUTER PROGRAM FOR DETERMINING THE OFF-DESIGN PERFORMANCE OF AXIAL FLOW TURBINES.
N67-18397 21F S05 08 HC$ 3.00 MF$ 0.65

FOURIER ANALYSIS, TRANSFORMATIONS(MATHEMATICS)
TRANSFORMATIONS OF FOURIER COEFFICIENTS.
AD-648 653 12A U67 09

FOUR-BODY METHOD
A HAMMONIC L4 ORBIT FOR THE VERY RESTRICTED FOUR-BODY PROBLEM.
N67-18579 3C S05 08 HC$ 3.00 MF$ 0.65

FRACTOGRAPHY, TUNGSTEN
VARIATION OF RESOLVED PROPORTIONAL LIMIT WITH MOSAIC ANGLE FROM 77K TO 973K IN ZONE REFINED TUNGSTEN.
AD-648 375 11F U67 09 HC$ 3.00 MF$ 0.65

FRACTURE(MECHANICS), HOT WORKING
INVESTIGATION OF FRACTURE IN CONNECTION WITH HOT DEFORMATION PROCESSING OF METALS.
AD-648 451 11F U67 09 HC$ 3.00 MF$ 0.65

FRACTURE(MECHANICS), MOLYBDENUM
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AD-648 573 11F U67 09

FRACTURE(MECHANICS), NICKEL ALLOYS
FRACTURE OF METALS DURING DEFORMATION PROCESSING UNDER CONDITIONS OF HOT WORKING.
AD-804 328 11F U67 09 HC$ 3.00 MF$ 0.65

FRAME
CONCERNING THE PROPER ROTATIONS OF A 3-DIMENSIONAL ORTHOGONAL FRAME.
N67-18357 12A S05 08 HC$ 3.00 MF$ 0.65

FREE MOLECULAR FLOW
FREE-MOLECULAR GAS FLOW IN PLANE CHANNELS AND GRIDS.
N67-18934 1A S05 08 HC$ 3.00 MF$ 0.65

FREE RADICALS, BAND SPECTRUM
ROTATIONAL ANALYSIS OF THE 0-0 BAND OF THE 2A1-2B1 ELECTRONIC TRANSITION OF PH2.
AD-647 933 7D U67 09

FREE SPACE
CONSTITUTIVE PARAMETER MEASUREMENTS USING THE SCATTERING TECHNIQUE.
N67-18548 20N S05 08 HC$ 3.00 MF$ 0.65

FREE VIBRATION
SOME FREE VIBRATION AND DYNAMIC RESPONSE PROBLEMS ASSOCIATED WITH CENTRIFUGALLY STABILIZED DISK AND SHELL STRUCTURES SEMIANNUAL PROGRESS REPORT, 15 AUG. 1966 - 15 FEB. 1967.
N67-19051 20K S05 08 HC$ 3.00 MF$ 0.65

FREEZING
N O TITLE FINAL REPORT.
N67-19049 6F S05 08 HC$ 3.00 MF$ 0.65

THE RELATIONSHIP BETWEEN DEHYDRATION AND FREEZING INJURY IN THE HUMAN ERYTHROCYTE.
N67-19099 6P S05 08 HC$ 3.00 MF$ 0.65

FREQUENCY BAND
REPORT FOR PROGRAM OF COMPARATIVE TEST AND MEASUREMENT OF HIGH POWER KLYSTRONS AND TRAVELLING WAVE TUBES REPORT, OCT. 1964 - FEB. 1965.
N67-19039 9A S05 08 HC$ 3.00 MF$ 0.65

FREQUENCY-DIVISION MULTIPLEXING
MULTIPLE-ACCESS TECHNIQUES FOR COMMUNICATION SATELLITES - ANALOG MODULATION, FREQUENCY- DIVISION MULTIPLEXING, AND RELATED SIGNAL PROCESSING METHODS.
N67-18520 17B S05 08 HC$ 3.00 MF$ 0.65

FRICTION
APPLICATION OF RECENT STATIC ADHESION DATA TO THE ADHESION THEORY OF FRICTION.
N67-19042 11F S05 08 HC$ 3.00 MF$ 0.65

FRICTION, THEORY
STATUS OF RESEARCH ON LUBRICANTS, FRICTION, AND WEAR.
AD-648 412 11H U67 09 MF$ 0.65

FROG
BIOMAGNETISM AND FERRITIN FINAL REPORT.
N67-19102 6C S05 08 HC$ 3.00 MF$ 0.65

FROZEN FOODS, BEEF
EVALUATION AND TESTING OF 7-WAY BONELESS, FROZEN BEEF.
AD-648 284 6H U67 09 HC$ 3.00 MF$ 0.65

FUEL CELLS, ELECTRODES
EVALUATION OF FUEL CELL ELECTRODES.
AD-648 423 10B U67 09 HC$ 3.00 MF$ 0.65

FUEL CELLS, OXIDATION
FUEL CELL CATALYSTS.
AD-682 110 10B U67 09 HC$ 3.00 MF$ 0.65

FUEL TANK
EVALUATION OF CRYOGENIC INSULATION MATERIALS AND COMPOSITES FOR USE IN NUCLEAR RADIATION ENVIRONMENTS QUARTERLY PROGRESS REPORT, 30 JUN. - 30 SEP. 1966.

N67-19129 11G S05 08 HC$ 3.00 MF$ 0.65

FUEL TANK PRESSURIZATION SYSTEM
SELF PRESSURIZATION OF LIQUID HYDROGEN TANKAGE,
N67-19138 20M S05 08 HC$ 3.00 MF$ 0.65

FUEL TANKS, PLASTIC COATINGS
DETERMINING EFFECTIVENESS OF BIOCIDAL ADDITIVES IN COATINGS,
AD-648 196 11C U67 09

FUELS, PLANTS(BOTANY)
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AD-648 527 13L U67 09 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS, DIFFERENTIAL EQUATIONS
THE SOLUTION OF CERTAIN FUNCTIONAL EQUATIONS,
AD-648 185 12A U67 09 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS, DISTRIBUTION FUNCTIONS
CHARACTERIZATION OF NORMAL AND GENERALIZED TRUNCATED NORMAL DISTRIBUTIONS USING ORDER STATISTICS,
AD-648 651 12A U67 09

FUNCTIONAL ANALYSIS, NONLINEAR DIFFERENTIAL EQUATIONS
ON THE STABILITY OF SOLUTIONS OF A DIFFERENTIAL EQUATION OF FOURTH ORDER,
AD-647 967 12A U67 09

FUNCTIONAL ANALYSIS, NUMERICAL ANALYSIS
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FUNCTIONAL ANALYSIS, STATISTICAL PROCESSES
HOLDER CONDITIONS FOR GAUSSIAN PROCESSES WITH STATIONARY INCREMENTS,
AD-648 499 12A U67 09 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS, THEOREMS
GENERALIZED FUNCTIONS PART I, REPRESENTATION THEOREMS FOR SOME STANDARD FUNCTION SPACES - AN INTRODUCTION TO FUNCTIONAL ANALYSIS,
AD-648 383 12A U67 09 HC$ 3.00 MF$ 0.65

FURAN RESINS, POLYMERIZATION
POLYMERISATION OF TETRAHYDROFURAN PART II,
AD-648 580 7C U67 09

POLYMERISATION OF TETRAHYDROFURAN (PART III),
AD-648 581 7C U67 09

FURNACES, ELECTRON BEAMS
TECHNIQUE FOR ELEVATED TEMPERATURE TENSILE TESTING IN AN ELECTRON BEAM FURNACE,
AD-648 574 14B U67 09

FUZES(ORDNANCE), TEST EQUIPMENT
AN ARTILLERY SIMULATOR FOR FUZE EVALUATION,
AD-648 411 19A U67 09 HC$ 3.00 MF$ 0.65

GAIN
EXPERIMENTAL MEASUREMENTS OF THE SHORT BACKFIRE ANTENNA,
N67-18696 9F S05 08 HC$ 3.00 MF$ 0.65

GALACTIC RADIATION
A NOTE ON THE GALACTIC RADIATION EXPOSURE IN GEOMAGNETICALLY UNPROTECTED REGIONS OF SPACE,
N67-18510 22A S05 08 HC$ 3.00 MF$ 0.65

GALLIUM ARSENIDES, INFRARED SPECTROSCOPY
LOCALIZED VIBRATIONAL MODE ABSORPTION OF PHOSPHORUS IN GALLIUM ARSENIDE,
AD-648 655 20L U67 09

GALLIUM ARSENIDES, MICROWAVE AMPLIFIERS
BULK GAAS NEGATIVE CONDUCTANCE AMPLIFIERS,
AD-648 048 9E U67 09

GAME THEORY, COMBINATORIAL ANALYSIS
A GAME IN PARTITION FUNCTION FORM WITH NO SOLUTION,
AD-648 195 12A U67 09 HC$ 3.00 MF$ 0.65

GAMMA RADIATION
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N67-18358 20L S05 08 HC$ 3.00 MF$ 0.65

COMPONENTS IRRADIATION TEST NO. 19, GAMMA IRRADIATION OF 2 N914, 2 N918, $2N930, 2 N2192 AND 2 N2369 TRANSISTORS,
N67-18545 9A S05 08 HC$ 3.00 MF$ 0.65

THE RADIATION AND THERMAL DECOMPOSITION OF TERPHENYLS AND HYDROTERPHENYLS (A SUMMARY OF CANADIAN EXPERIENCE),
N67-19178 7E S05 08 HC$ 3.00 MF$ 0.65

GAMMA RAYS, IRRADIATED FOODS
SIXTH ANNUAL AEC FOOD IRRADIATION CONTRACTORS MEETING, WASHINGTON, D. C., OCTOBER 3-4, 1966,
CONF-661017 6H N21 06 HC$ 3.00 MF$ 0.65

GAMMA RAYS, POLARIZATION
BETA-GAMMA (CIRCULARLY POLARIZED) CORRELATION AND GAMMA SPECTROSCOPIC STUDIES ON 27 MG,
UCRL-14984 7E N21 06 HC$ 3.00 MF$ 0.65

GAS ANALYSIS, ABSORPTION(PHYSICAL)
ANALYTICAL GAS DESORPTION APPARATUS,
AD-648 516 7D U67 09 HC$ 3.00 MF$ 0.65

GAS ANALYSIS, MICROWAVE SPECTROSCOPY
ANALYSIS OF SELECTED SAMPLES BY MICROWAVE SPECTROSCOPY FOR TRACE CONTAMINANTS COLLECTED FROM A SPACE SIMULATOR,
AD-648 132 7D U67 09 HC$ 3.00 MF$ 0.65

GAS ANALYSIS, NITROGEN
A REVIEW OF PHYSICOCHEMICAL METHODS FOR NITROGEN, OXYGEN, AND NITRIC OXIDE MEASUREMENTS,
AD-648 839 7D U67 09 HC$ 3.00 MF$ 0.65

GAS CYLINDERS, PALLETS
GAS CYLINDERS - DEVELOPMENT OF PALLETSIZE UNIT LOADS FOR SHIPMENT,
AD-648 380 13D U67 09 HC$ 3.00 MF$ 0.65

GAS FILTERS, EFFECTIVENESS
EFFICACY OF ALKALI-SUPEROXIDE BEDS FOR BACTERIA REMOVAL FROM AIR,
AD-648 309 6K U67 09 HC$ 3.00 MF$ 0.65

GAS FLOW
FREE-MOLECULAR GAS FLOW IN PLANE CHANNELS AND GRIDS,
N67-18934 1A S05 08 HC$ 3.00 MF$ 0.65

CONVERGENT-DIVERGENT NOZZLE FLOWS,
N67-18943 1A S05 08 HC$ 3.00 MF$ 0.65

GAS FLOW, REVIEWS
PHENOMENA SURROUNDING HIGH SPEED FLOW,
AD-648 397 20D U67 09 HC$ 3.00 MF$ 0.65

GAS GENERATOR ENGINE
DEVELOPMENT OF DESIGN AND SCALING CRITERIA FOR MONOPROPELLANT HYDRAZINE REACTORS EMPLOYING SHELL 405 SPONTANEOUS CATALYST, VOLUME II FINAL REPORT,
N67-19123 21H S05 08 HC$ 3.00 MF$ 0.65

GAS LASER
DRAG EFFECT OF THE ACTIVE MEDIUM OF A GAS RING LASER,
N67-18935 20E S05 08 HC$ 3.00 MF$ 0.65

GAS MASER
DEVELOPMENT AND CONSTRUCTION OF TWO HYDROGEN MASERS INTERIM TECHNICAL REPORT, 1 FEB. 1962 - 31 MAY 1963,
N67-19095 20F S05 08 HC$ 3.00 MF$ 0.65

GAS TURBINE
DEVELOPMENT OF MAIN SHAFT SEALS FOR ADVANCED AIR BREATHING PROPULSION SYSTEMS SEMIANNUAL REPORT NO. 2, 1 JAN. - 30 JUN. 1966,
N67-19126 11A S05 08 HC$ 3.00 MF$ 0.65

GAS TURBINES, CONTAMINATION
T58 SAND AND DUST TEST,
AD-460 595 21F U67 09 HC$ 3.00

GASES, ABSORPTION
RADIATIVE TRANSFER IN A GAS OF UNIFORM PROPERTIES IN LOCAL THERMODYNAMIC EQUILIBRIUM. PART I. ABSORPTION COEFFICIENTS IN NONHYDROGENIC GASES,
AD-648 398 20M U67 09 HC$ 3.00 MF$ 0.65

GASES, LINE SPECTRUM
RADIATIVE TRANSFER IN A GAS OF UNIFORM PROPERTIES IN LOCAL THERMODYNAMIC EQUILIBRIUM. PART 2. RELATIVE LINE INTENSITIES AND THE TREATMENT OF WEAK LINES,
AD-648 399 20M U67 09 HC$ 3.00 MF$ 0.65

GASES, TRANSPORT PROPERTIES
THE ENERGY TRANSFER MECHANISM IN SHOCK TUBE ARC-HEATED DRIVERS,
AD-648 134 14B U67 09 HC$ 3.00 MF$ 0.65

GASTROINTESTINAL SYSTEM, HEMORRHAGE
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AD-648 206 6F U67 09

GAS-GAS INTERACTION
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N67-18428 20I S05 08 HC$ 3.00 MF$ 0.65

GAUGE
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N67-19052 13I S05 08 HC$ 3.00 MF$ 0.65

GAUSSIAN NOISE
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N67-18415 9D S05 08 HC$ 3.00 MF$ 0.65

GEMINI PROJECT
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N67-19278 22R S05 08 HC$ 3.00 MF$ 0.65

GEMINI LAND LANDING SYSTEM DEVELOPMENT PROGRAM, VOLUME II - SUPPORTING INVESTIGATIONS,
N67-19279 22R S05 08 HC$ 3.00 MF$ 0.65

GENERATOR
A NANOSECOND LIGHT-PULSE GENERATOR WITH EXTERNAL SYNCHRONIZATIONS,
N67-18926 20F S05 08 HC$ 3.00 MF$ 0.65

GENERATORS, VIBRATION
TORSIONAL VIBRATION STUDY OF 250 KW D.C. DIESEL GENERATOR SET FOR INSTALLATION ON DOLPHIN (AGSS 555),
AD-648 669 10B U67 09 HC$ 3.00 MF$ 0.65

GEOLOGIC AGE DETERMINATION, ORGANIC SOLVENTS

BENZENE SYNTHESIS BY LOW TEMPERATURE CATALYSIS FOR RADIOCARBON DATING.
AD-648 596 8D U67 09

GEOLOGY, RADIATION MEASUREMENT SYSTEMS
AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE PITTSBURGH AREA, PENNSYLVANIA, OHIO, WEST VIRGINIA, AND MARYLAND (ARMS-1).
CEX-59.4.12 18W N21 06 HC$ 3.00 MF$ 0.65

GEOMAGNETIC EFFECT
EARTH S MAGNETIC FIELD.
N67-18352 8N S05 08 HC$ 3.00 MF$ 0.65

GEOMAGNETIC FIELD
OBSERVATIONS OF THE EARTH S MAGNETIC TAIL AND NEUTRAL SHEET AT 510,000 KM BY EXPLORER 33.
N67-18650 3B S05 08 HC$ 3.00 MF$ 0.65

GEOMAGNETIC LATITUDE
HIGH LATITUDE MAGNETIC DISTURBANCES (A BRIEF REVIEW WITH INITIAL RESULTS FROM MOTION PICTURE PRESENTATION).
N67-18709 4A S05 08 HC$ 3.00 MF$ 0.65

GEOMAGNETIC MICROPULSATION
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N67-18955 4A S05 08 HC$ 3.00 MF$ 0.65

GEOMETRY, THEOREMS
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AD-648 424 12A U67 09 HC$ 3.00 MF$ 0.65

GEOPHYSICAL PROSPECTING, ORES(METAL SOURCES)
ACTA GEOPHYSICA SINICA, VOL. XV, NO. 1, 1966. TRANSLATED TITLES AND ABSTRACTS OF ARTICLES.
AD-648 168 8G U67 09 HC$ 3.00 MF$ 0.65

GEOPHYSICS
AN ORBITAL ANALYSIS TECHNIQUE FOR SHARPLY VARYING GEOPHYSICAL PHENOMENA.
N67-18746 22C S05 08 HC$ 3.00 MF$ 0.65

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GEOPHYSICS AND SPACE DATA BULLETIN, VOLUME III, NUMBER 3.
AD-648 046 4A U67 09 HC$ 3.00 MF$ 0.65

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AD-648 082 8G U67 09 HC$ 3.00 MF$ 0.65

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AD-647 959 7B U67 09 HC$ 3.00 MF$ 0.65

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AD-648 196 11C U67 09

GERM-FREE ANIMALS, SHOCK(PATHOLOGY)
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AD-648 422 6C U67 09

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AD-648 405 11B U67 09 HC$ 3.00 MF$ 0.65

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AD-648 076 11B U67 09 HC$ 3.00 MF$ 0.65

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AD-648 333 20C U67 09 HC$ 3.00 MF$ 0.65

GLASS, SEMICONDUCTOR DEVICES
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AD-648 332 20C U67 09 HC$ 3.00 MF$ 0.65

GLASS, SORPTION
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AD-648 232 11B U67 09 HC$ 3.00 MF$ 0.65

GLOW DISCHARGES, CHEMICAL REACTIONS
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AD-648 683 7D U67 09

CHEMICAL REACTIONS IN ELECTRICAL DISCHARGES. II. THE STRUCTURE OF THE POSITIVE COLUMN IN D-C GLOW DISCHARGES THROUGH FAST-FLOWING GASES.
AD-648 684 7D U67 09

GLUCOSE, MICROBIOLOGY
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AD-648 326 8A U67 09

GLUCOSE, SALIVA
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AD-647 921 6E U67 09

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AD-648 476 7D U67 09

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N67-18740 9F S05 08 HC$ 3.00 MF$ 0.65

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AD-648 167 20L U67 09

GRAIN
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N67-18928 14E S05 08 HC$ 3.00 MF$ 0.65

GRAIN BOUNDARIES, CRYSTALS
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GRAIN STRUCTURES(METALLURGY), IRON OXIDES
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AD-648 627 20R U67 09 HC$ 3.00 MF$ 0.65

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AD-648 689 12A U67 09

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GRAPHICS, TOPOLOGY
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AD-648 133 12A U67 09 HC$ 3.00 MF$ 0.65

GRAPHITE
DEVELOPMENT OF CONSTITUTIVE EQUATIONS FOR NUCLEAR GRADE GRAPHITE FOR SPACE APPLICATIONS I FINAL REPORT.
N67-18977 11F S05 08 HC$ 3.00 MF$ 0.65

METAL CARBIDE-GRAPHITE COMPOSITES QUARTERLY REPORT, 1 NOV. 1966 - 31 JAN. 1967.
N67-19056 11D S05 08 HC$ 3.00 MF$ 0.65

GRAPHITE, BAND THEORY OF SOLIDS
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AD-648 677 20L U67 09

GRAPHITE, ENGINE STRUCTURES
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GRAVITATIONAL COLLAPSE AND WEAK INTERACTIONS.
N67-18356 3B S05 08 HC$ 3.00 MF$ 0.65

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GRAVITATIONAL POTENTIAL
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N67-18754 8N S05 08 HC$ 3.00 MF$ 0.65

GRAVITY GRADIENT SATELLITE
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RESONANCE EFFECTS DUE TO THE LONGITUDE DEPENDENCE OF THE GRAVITATIONAL FIELD OF A ROTATING PRIMARY.
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INVESTIGATION OF DYNAMIC BEHAVIOR OF THIN SPHERICAL SHELLS SEMIANNUAL TECHNICAL PROGRESS REPORT, 1 AUG. 1966 - 31 JAN. 1967.
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GRIGNARD REAGENTS, CHEMICAL REACTIONS
NUCLEOPHILIC DISPLACEMENT REACTIONS ON ORGANOPHOSPHORUS ESTERS BY GRIGNARD REAGENTS. II. EVIDENCE FOR COMPETITIVE DISPLACEMENT ON CARBON AND PHOSPHORUS IN THE REACTION OF GRIGNARD REAGENTS WITH SIMPLE PHOSPHATES,
AD-648 657 7C U67 09

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MISSILE COMPONENTS RESEARCH PROGRAM FOR CAPACITORS, FIXED, TANTALUM ELECTROLYTIC,
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RESEARCH IN STABILITY OF PERIODIC MOTIONS QUARTERLY PROGRESS REPORT, 5 AUG. - 4 NOV. 1966.
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AD-648 491 6C U67 09

HAMSTERS, RHYTHM(BIOLOGY)
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HANDBOOKS, PREPARATION
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REPORT ON MATERIALS HANDLING EQUIPMENT TO BE PROVIDED MOBILE SUPPORT UNIT THREE FOR MOBILE BARGE USE.
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AKS REPLENISHMENT CAPABILITY. DETERMINATION OF MATERIALS HANDLING REQUIREMENTS OF THE USS ALTAIR (AKS-32) FOR UNDERWAY REPLENISHMENT OPERATIONS,
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FORK LIFT TRUCK ATTACHMENTS EVALUATION OF THE CASCADE SIDE SHIFT LOAD GRAB AND ASSOCIATED GRIPPER ATTACHMENTS.
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PROPOSED TEST AGENDA FOR EVALUATION OF MATERIALS HANDLING EQUIPMENT. PART I - GASOLINE POWERED FORK TRUCKS.
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INSTRUMENT DEVELOPMENT BRANCH ANNUAL REPORT, 1965,
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HEALTH PHYSICS DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING JULY 31, 1966.
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GEOMETRICALLY NONLINEAR ANALYSIS OF THE APOLLO AFT HEAT SHIELD FINAL REPORT, 1 APR. 1966 - 15 DEC. 1966.
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AN ANALYTICAL STUDY OF THE HEAT TRANSFER FROM AN ELECTRIC ARC IN CROSS-FLOW.
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AN EVALUATION OF THE WEIGHT VELOCITY DIAGRAM OF A HEAVYWEIGHT, HIGH ROTOR INERTIA, SINGLE ENGINE HELICOPTER.
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HELIUM GROUP GASES, INORGANIC COMPOUNDS
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AD-648 288 6P U67 09

HERBICIDES, EFFECTIVENESS
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METAL CARBIDE-GRAPHITE COMPOSITES QUARTERLY REPORT, 1 NOV. 196A - 31 JAN. 1967.
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TECHNIQUES FOR HOT-PRESS-BONDING DISSIMILAR METAL COMBINATIONS.
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A TECHNIQUE FOR THE DYNAMIC CALIBRATION OF HOT WIRE ANEMOMETERS.
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THE PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN SWEAT AND FACTORS AFFECTING THE WATER BALANCE IN CONFINED SPACES SEMI-ANNUAL STATUS REPORT, NO. 3, 1 JUL. - 31 DEC. 1966.
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DEVELOPMENT AND APPLICATION OF COMPUTER SOFTWARE TECHNIQUES TO HUMAN FACTORS TASK DATA HANDLING PROBLEMS.
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MINEFIELD MARKER-LIGHT CHARACTERISTICS.
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HUMAN ENGINEERING PROBLEMS OF LOW ALTITUDE, HIGH-SPEED FLIGHT,
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HUMAN FACTORS IN SYSTEMS ANALYSIS,
ATI-78 026 5E U67 09 HC$ 3.00

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DEVELOPMENT AND APPLICATION OF COMPUTER SOFTWARE TECHNIQUES TO HUMAN FACTORS TASK DATA HANDLING PROBLEMS FINAL REPORT, 21 JUN, 1965 - 21 JUN, 1966.
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THE EFFECTS OF SENSORY DEPRIVATION ON SENSORY, PERCEPTUAL, MOTOR, COGNITIVE, AND PHYSIOLOGICAL FUNCTIONS.
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HYDRAULIC FLUIDS, SEDIMENTATION
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HYDRAZINE ENGINE (NIMPHE)
DEVELOPMENT OF DESIGN AND SCALING CRITERIA FOR MONOPROPELLANT HYDRAZINE REACTORS EMPLOYING SHELL 405 SPONTANEOUS CATALYST, VOLUME II FINAL REPORT,
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HYDROCARBONS, MOLECULAR ORBITALS
SEMI-EMPIRICAL APPROXIMATIONS FOR THE COULOMB AND BOND INTEGRALS IN SIMPLE LCAO-MO METHODS. I. ALTERNANT AND NON-ALTERNANT HYDROCARBONS,
AD-648 465 7D U67 09

HYDROGEN
THE TEMPERATURE COUPLING OF IONS IN THE IONOSPHERE,
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INVESTIGATIONS ON THE INDUSTRIAL APPLICATION POSSIBILITIES OF ACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN AND EVENTUALLY OF NITROGEN AND HYDROGEN IN STEEL. PART I - BIBLIOGRAPHICAL REPORT,
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DEVELOPMENT AND CONSTRUCTION OF TWO HYDROGEN MASERS INTERIM TECHNICAL REPORT, 1 FEB, 1962 - 31 MAY 1963.
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TESTS FOR HYDROGEN EMBRITTLEMENT OF STEELS USED IN TANK FARM CYLINDERS,
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FABRICATION PROCESS DEVELOPMENTS OF A STRUCTURAL MODEL FOR RESEARCH ON HYDROGEN- FUELED HYPERSONIC VEHICLES,
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COADSORPTION OF HYDROGEN AND POTASSIUM ON TUNGSTEN.
ADSORPTION OF HYDROGEN ON POTASSIUM,
AD-648 471 7D U67 09

HYDROGEN, COMBUSTION
SPECTROSCOPIC STUDY OF REACTION IN A HYDROGEN DISCHARGE,
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HYDROGEN, UNDERWATER EXPLOSIONS
SOME ACOUSTICAL CHARACTERISTICS OF UNDERWATER EXPLOSIONS OF HYDROGEN-OXYGEN MIXTURES,
AD-648 042 17A U67 09

HYDROLOGY, BIBLIOGRAPHIES
ANNOTATED BIBLIOGRAPHY OF ESSA PUBLICATIONS OF HYDROMETEOROLOGICAL INTEREST,
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EFFECTS OF HYDROSTATIC PRESSURE ON THE MECHANICAL BEHAVIOR OF BODY CENTERED CUBIC REFRACTORY METALS AND ALLOYS INTERIM TECHNICAL REPORT,
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HYDROSTATIC PRESSURE, ACTUATORS
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TWO-DIMENSIONAL VISCOUS HYPERSONIC FLOW OVER SIMPLE BLUNT BODIES INCLUDING SECOND-ORDER EFFECTS,
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FABRICATION PROCESS DEVELOPMENTS OF A STRUCTURAL MODEL FOR RESEARCH ON HYDROGEN- FUELED HYPERSONIC VEHICLES,
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OXYGEN DEFICIT INCURRED DURING HYPOXIA AND ITS RELATION TO EXCESS LACTATE,
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ICE FORMATION
N O TITLE FINAL REPORT,
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ICE, DRILLING
DEEP CORE DRILLING IN THE ROSS ICE SHELF, LITTLE AMERICA V, ANTARCTICA,
AD-648 511 8L U67 09 HC$ 3.00 MF$ 0.65

ICE, EROSION
PERMAFROST AND ICE-WEDGE EFFECT ON RIVERBANK EROSION,
AD-648 603 8L U67 09

ICE, MELTING
NATURAL CONVECTION IN ICE MELTING FROM BELOW,
AD-648 515 8L U67 09 HC$ 3.00 MF$ 0.65

ICE, WATER WAVES
EXPERIMENTAL INVESTIGATION OF ICE FLOE UNDER WAVE ACTION,
AD-456 969 20D U67 09 HC$ 3.00

IDENTIFICATION
ANALYSIS OF ANCIENT SEDIMENTS AND EXTRA-TERRESTRIAL MATERIALS SEMIANNUAL REPORT, 1 JUN. - 30 NOV. 1966.
N67-19120 7C S05 08 HC$ 3.00 MF$ 0.65

IGNITION, OXYGEN
IGNITION IN HIGH PRESSURE OXYGEN,
AD-648 612 21B U67 09 HC$ 3.00 MF$ 0.65

IMAGE
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N67-19031 9A S05 08 HC$ 3.00 MF$ 0.65

IMAGE INTENSIFIERS(ELECTRONICS), SOLID STATE PHYSICS
SOLID STATE IMAGE INTENSIFIERS,
AD-648 636 9A U67 09 HC$ 3.00 MF$ 0.65

IMMUNITY, PASTEURELLA PESTIS
CHANGES IN THE PHAGOCYTIC ACTIVITY OF LEUKOCYTES IN THE PROCESS OF IMMUNOGENESIS FOLLOWING ANTIPLAGUE VACCINATION,
AD-648 104 6F U67 09 HC$ 3.00 MF$ 0.65

IMMUNITY, RADIATION EFFECTS
CAUSES UNDERLYING THE LOWERING OF THE NATURAL RESISTANCE OF IRRADIATED ANIMALS TO LIVE BRUCELLOSIS VACCINE,
AD-648 115 6R U67 09 HC$ 3.00 MF$ 0.65

IMMUNITY, THYROID GLAND
INFLUENCE OF THE FUNCTION OF THE THYROID GLAND ON THE SUSCEPTIBILITY OF WHITE RATS TO PLAGUE INFECTION,
AD-648 099 6F U67 09 HC$ 3.00 MF$ 0.65

IMPACT LOAD
GEOMETRICALLY NONLINEAR ANALYSIS OF THE APOLLO AFT HEAT SHIELD FINAL REPORT, 1 APR. 1966 - 15 DEC. 1966.
N67-18945 22B S05 08 HC$ 3.00 MF$ 0.65

IMPACT PREDICTION
CONDITIONS OF ENCOUNTER BETWEEN DUST AND THE PLANETS.
N67-18243 3B S05 08 HC$ 3.00 MF$ 0.65

IMPACT, HYPERVELOCITY PROJECTILES
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AD-648 214 19D U67 09 HC$ 3.00 MF$ 0.65

IMPEDANCE
ANTENNA IMPEDANCE IN A WARM PLASMA.
N67-19044 20I S05 08 HC$ 3.00 MF$ 0.65

IMPEDANCE PROBE
ON THE IMPEDANCE OF A SATELLITE BORNE VLF ELECTRIC FIELD ANTENNA,
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INCINERATORS, TESTS
EVALUATION OF A PROTOTYPE PORTABLE INCINERATOR (22-MAN BARRACKS UNIT) FOR THE DISPOSAL OF HUMAN WASTES, GARBAGE, AND RUBBISH,
AD-18 591 13B U67 09 HC$ 3.00

INDIAN OCEAN, MARINE GEOPHYSICS
AN INFORMAL REPORT TO THE NATIONAL SCIENCE FOUNDATION ON THE PROGRESS OF RESEARCH UNDER GRANT GP2370. A PART OF THE INTERNATIONAL INDIAN OCEAN EXPEDITION,
PR-174 300 8J U67 09 HC$ 3.00 MF$ 0.65

INDIUM ARSENIDE
PHOTOMIXING DEVICES THIRD SUMMARY REPORT, 15 FEB. 1965 - 15 FEB. 1966.
N67-19340 9F S05 08 HC$ 3.00 MF$ 0.65

INDUCER
A PERFORMANCE INVESTIGATION OF AN EIGHT-INCH HUBLESS PUMP INDUCER IN WATER AND LIQUID NITROGEN.
N67-18693 13K S05 08 HC$ 3.00 MF$ 0.65

INDUSTRIAL PRODUCTION, COSTS
THE COST FUNCTION.
AD-648 409 12B U67 09 HC$ 3.00 MF$ 0.65

INDUSTRIAL PRODUCTION, WEAPON SYSTEMS
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AD-648 136 5C U67 09 HC$ 3.00 MF$ 0.65

INDUSTRIAL RESEARCH, SITE SELECTION
INDUSTRIAL SITE SURVEY CHECK LIST, ROCKWOOD INDUSTRIAL PARK, ROCKWOOD, TENNESSEE.
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INDUSTRIAL SITE SURVEY CHECK LIST, HARRIMAN INDUSTRIAL PARK, HARRIMAN, TENNESSEE.
PR-174 266 13B U67 09 HC$ 3.00 MF$ 0.65

INDUSTRIAL SITE-SURVEY CHECK LIST, ROANE INDUSTRIAL VALLEY, ROANE COUNTY, TENNESSEE.
PR-174 268 13B U67 09 HC$ 3.00 MF$ 0.65

INDUSTRIES, NEW YORK
INDUSTRIAL DEVELOPMENT STUDY OF THE SCHENECTADY COUNTY AIRPORT, THE ADJACENT FLIGHT TEST CENTER AND THE FORMER NAVAL SUPPLY DEPOT, SCOTIA, N. Y.
PR-174 261 9C U67 09 HC$ 3.00 MF$ 0.65

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INEQUALITY (MATH)
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INERTIAL NAVIGATION, NAVIGATION COMPUTERS
SYNERGISTIC NAVIGATION SYSTEM STUDY.
AD-648 870 17G U67 09 HC$ 3.00 MF$ 0.65

INFECTIOUS DISEASES, ADRENAL CORTEX HORMONES
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AD-647 938 6P U67 09

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AD-648 116 6M U67 09 HC$ 3.00 MF$ 0.65

INFECTIOUS DISEASES, RESISTANCE(BIOLOGICAL)
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AD-648 224 6S U67 09 HC$ 3.00 MF$ 0.65

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AD-648 645 13M U67 09 HC$ 3.00 MF$ 0.65

INFLUENZA VIRUS, AEROSOLS
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AD-648 109 6M U67 09 HC$ 3.00 MF$ 0.65

INFLUENZA VIRUS, VACCINES
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INFORMATION RETRIEVAL, ALGORITHMS
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AD-647 908 5B U67 09 HC$ 3.00 MF$ 0.65

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IDMS 1410 FORMATTED FILE SYSTEM PROGRAMMING MAINTENANCE MANUAL.
AD-648 820 5B U67 09 HC$ 3.00 MF$ 0.65

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A COMPACT STATISTICAL METHOD OF TOPOGRAPHIC REPRESENTATION.
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INFORMATION RETRIEVAL, TERRAIN
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INFORMATION THEORY, MATHEMATICS
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INFORMATION THEORY, STATISTICAL ANALYSIS
NEW SOLUTIONS TO THE SIGNAL DESIGN PROBLEM FOR COHERENT CHANNELS.
AD-648 276 9B U67 09

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INFRARED OPTICAL MATERIALS, GLASS
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INFRARED OPTICAL MATERIALS, OPTICAL COATINGS
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RESOLUTION AND MICROPHOTOMETRIC GRANULARITY OF INFRARED FILMS.
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ON THE LIMB DARKENING OF PLANETARY ATMOSPHERES IN THE THERMAL INFRARED.
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N67-18973 3B S05 08 HC$ 3.00 MF$ 0.65

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INFRARED RADIATION, STANDARDS
ABSOLUTE RADIATION STANDARD IN THE FAR INFRARED.
AD-648 207 17E U67 09

INFRARED REFLECTION
A PRELIMINARY REPORT ON BIDIRECTIONAL REFLECTANCES OF STRATOCUMULUS CLOUDS MEASURED WITH AN AIRBORNE MEDIUM RESOLUTION RADIOMETER.
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THE EFFECT OF DIGITIZING NOISE ON SPECTRAL SIGNAL TO NOISE RATIOS IN FOURIER SPECTROSCOPY.
N67-18748 9E S05 08 HC$ 3.00 MF$ 0.65

INFRARED SPECTROSCOPY, CARBON DIOXIDE
INFRARED SPECTRUM OF (12)C(18)O2.
AD-648 584 7E U67 09

INFRARED SPECTROSCOPY, GALLIUM ARSENIDES
LOCALIZED VIBRATIONAL MODE ABSORPTION OF PHOSPHORUS IN GALLIUM ARSENIDE.
AD-648 655 20L U67 09

INFRARED SPECTROSCOPY, HIGH-TEMPERATURE RESEARCH
QUANTITATIVE HIGH TEMPERATURE INFRARED SPECTROSCOPY.
AD-648 664 20F U67 09 HC$ 3.00 MF$ 0.65

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MEASUREMENTS OF MOON S RADIATION FLUXES IN THE INFRARED AND IN THE VISIBLE REGIONS OF THE SPECTRUM ON THE AMS LUNA-10.
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STATISTICAL INITIAL-VALUE PROBLEM FOR BURGERS MODEL EQUATION OF TURBULENCE.
AD-648 208 20D U67 09

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AD-647 954 20D U67 09 HC$ 3.00 MF$ 0.65

INJECTION, FLUID FLOW
THE EFFECTS OF VELOCITY PROFILE ON THE FLOW IN A STRAIGHT CHANNEL WITH INJECTION.
AD-648 673 20D U67 09 HC$ 3.00 MF$ 0.65

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INORGANIC COATING
DEVELOPMENT OF SPACE-STABLE THERMAL-CONTROL COATINGS.
N67-18517 11C S05 08 HC$ 3.00 MF$ 0.65

INORGANIC COMPOUNDS, HIGH-PRESSURE RESEARCH
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AD-648 598 7B U67 09

INSECTICIDES, LABELS
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AD-648 330 15E U67 09 HC$ 3.00 MF$ 0.65

INSTRUCTION MANUALS, MACHINES
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AD-648 305 13I U67 09 HC$ 3.00 MF$ 0.65

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INSTRUMENTATION
COORDINATES FOR INSTRUMENTS AT EARLYBURN OUTSTATION.
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INSULATION
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N67-18279 1C S05 08 HC$ 3.00 MF$ 0.65

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A SELECTED BIBLIOGRAPHY ON URBAN INSURGENCY AND URBAN UNREST IN LATIN AMERICA AND OTHER AREAS.
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INTEGRAL
APPLICATION OF RICHARDSON S EXTRAPOLATION TO NUMERICAL EVALUATION OF SONIC-BOOM INTEGRALS.
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BACKSCATTER OF ULTRASONIC WAVES FROM A ROUGH LAYER.
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N67-19035 12A S05 08 HC$ 3.00 MF$ 0.65

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INTEGRAL TRANSFORMS, FUNCTIONS
FOURIER TRANSFORMS, GENERALIZED FUNCTIONS AND TWO CLASSES OF INTEGRAL EQUATIONS, PART I.
AD-648 672 12A U67 09 HC$ 3.00 MF$ 0.65

INTEGRAL TRANSFORMS, QUANTUM MECHANICS
A NOTE ON OPERATOR CALCULUS IN QUANTUM MECHANICS.
AD-647 962 20J U67 09

INTEGRAL TRANSFORMS, ULTRASONIC RADIATION
IMAGE FORMATION IN OPTICAL SYSTEMS THAT UTILIZE AMPLITUDE AND PHASE MASKS IN THE FOURIER IMAGE PLANE.
AD-470 297 20F U67 09 HC$ 3.00 MF$ 0.65

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AD-804 474 12A U67 09 HC$ 3.00 MF$ 0.65

INTEGRALS, TRANSFORMATIONS(MATHEMATICS)
REGULARIZING TRANSFORMATIONS OF THE JACOBIAN INTEGRAL.
AD-648 261 12A U67 09

INTEGRATED CIRCUIT
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N67-19037 9A S05 08 HC$ 3.00 MF$ 0.65

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INTEGRATED CIRCUITS, DATA PROCESSING SYSTEMS
SIXTEEN-CHANNEL SILICON INTEGRATED-CIRCUIT ENCODER FOR THE ISIS A SATELLITE PARTICLE-COUNTING EXPERIMENT.
AD-648 313 9R U67 09

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AD-648 542 9E U67 09 HC$ 3.00 MF$ 0.65

INTEGRATED CIRCUITS, PACKAGING
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AD-648 324 9E U67 09 HC$ 3.00 MF$ 0.65

INTERFEROMETER
HIGH ALTITUDE RADIATION MEASUREMENTS QUARTERLY REPORT, 1 JAN. - 31 MAR. 1966.
N67-19097 4A S05 08 HC$ 3.00 MF$ 0.65

INTERFEROMETER SYSTEM
A COMPLEMENTARY SLOT-DIPOLE ANTENNA FOR HEMISPHERICAL COVERAGE.
N67-18749 9F S05 08 HC$ 3.00 MF$ 0.65

INTERFEROMETERS, OPERATION
THE STELLAR INTERFEROMETER AT NARRARRI, AUSTRALIA. I. THE PRINCIPLES OF THE INTENSITY INTERFEROMETER GENERAL DESCRIPTION, II. MEASUREMENT OF THE CORRELATION.
AD-648 256 3A U67 09

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INTERIOR BALLISTICS, CARTRIDGES(PAD)
ANALYSIS OF STROKING PROPELLANT ACTUATED DEVICE.
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INTERMETALLIC COMPOUNDS, REVIEWS
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AD-648 211 11G U67 09 HC$ 3.00 MF$ 0.65

INTERMETALLICS
PHASE-DIAGRAM STRUCTURE OF THE TITANIUM- COPPER SYSTEM.
N67-18925 11F S05 08 HC$ 3.00 MF$ 0.65

INTERMODULATION
INTERMODULATION DISTORTION FROM RECEIVER NON-LINEAR PHASE CHARACTERISTICS FINAL REPORT.
N67-19135 9F S05 08 HC$ 3.00 MF$ 0.65

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A NOTE ON THE GALACTIC RADIATION EXPOSURE IN GEOMAGNETICALLY UNPROTECTED REGIONS OF SPACE.
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N67-18243 3R S05 08 HC$ 3.00 MF$ 0.65

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N67-18577 3R S05 08 HC$ 3.00 MF$ 0.65

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SOLAR SOURCE OF THE INTERPLANETARY SECTOR STRUCTURE.
N67-19136 3R S05 08 HC$ 3.00 MF$ 0.65

INTERSTELLAR MATTER, EMISSIVITY
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AD-648 050 3R U67 09

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N67-18631 3R S05 08 HC$ 3.00 MF$ 0.65

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INVENTORY ANALYSIS, MATHEMATICAL MODELS
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INVERTEBRATES, PHOSPHONIC ACIDS
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AD-648 493 6A U67 09

ION ACCELERATORS, OPTIMIZATION
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ION BOMBARDMENT
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ION DENSITY
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N67-19085 4A S05 08 HC$ 3.00 MF$ 0.65

ION TEMPERATURE
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N67-18427 4A S05 08 HC$ 3.00 MF$ 0.65

IONIC COLLISION
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N67-18426 20I S05 08 HC$ 3.00 MF$ 0.65

IONIZING RADIATION
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N67-18939 6R S05 08 HC$ 3.00 MF$ 0.65

IONOSPHERE
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N67-18427 4A S05 08 HC$ 3.00 MF$ 0.65

TROPOSPHERIC AND IONOSPHERIC EFFECTS UPON RADIO FREQUENCY (VHF-SHF) COMMUNICATION.
N67-19054 17B S05 08 HC$ 3.00 MF$ 0.65

IONOSPHERE, ATMOSPHERIC SOUNDING
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AD-648 455 4A U67 09 HC$ 3.00 MF$ 0.65

IONOSPHERE, ELECTRON DENSITY
AN APPROACH TO THE PROBLEM OF MEASURING THE ELECTRON CONCENTRATION IN THE IONOSPHERE AND INTERPLANETARY SPACE.
AD-648 847 4A U67 09 HC$ 3.00 MF$ 0.65

IONOSPHERIC COMPOSITION
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IONOSPHERIC PROPAGATION
A SIMPLIFIED FORMULA FOR IONOSPHERIC FARADAY ROTATION AT FREQUENCIES ABOVE 100 MC/S.
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IONOSPHERIC TEMPERATURE
THERMAL CONDUCTION AND ION TEMPERATURES IN THE IONOSPHERE.
N67-19066 4A S05 08 HC$ 3.00 MF$ 0.65

IONS, CHEMICAL REACTIONS
ION-MOLECULE REACTIONS IN ELECTRIC DISCHARGES.
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ION REACTIONS IN MATRICES.
AD-648 266 7D U67 09 HC$ 3.00 MF$ 0.65

IONS, MOBILITY
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IRON
BIOMAGNETISM AND FERRITIN FINAL REPORT.
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IRON OXIDES, CRYSTAL GROWTH
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ENERGY LEVELS IN IRON-DOPED SAPPHIRE.
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IRON, ELECTRON TRANSITIONS
MULTIPLE-QUANTUM TRANSITIONS IN MAGNESIUM OXIDE.
AD-647 992 20L U67 09

IRON, FRACTURE(MECHANICS)
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IRRADIATED FOODS, MILITARY RATIONS
REVIEW OF THE UNITED STATES ARMY WHOLESOMENESS OF IRRADIATED FOOD PROGRAM (1955-1966).
AD-648 434 6H U67 09

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MODEL STUDIES OF LONG WAVE AMPLIFICATION BY CIRCULAR ISLANDS AND SUBMARINE SEAMOUNTS.
AD-648 550 8C U67 09 HC$ 3.00 MF$ 0.65

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MESOSCALE MOTIONS IN OCEANIC STRATUS AS REVEALED BY SATELLITE DATA.
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ISOTOPES, SUPERCONDUCTIVITY
SUPERCONDUCTIVITY AND THE D-SHELL.
AD-648 210 20C U67 09

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ITERATIVE METHODS FOR SOLVING NONLINEAR LEAST SQUARES PROBLEMS.
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AD-647 922 12A U67 09

ITERATIVE SOLUTION
NUMERICAL TECHNIQUES FOR THE SOLUTION OF SYMMETRIC POSITIVE LINEAR DIFFERENTIAL EQUATIONS.
N67-18743 12A S05 08 HC$ 3.00 MF$ 0.65

JET ENGINE
STATIC CALIBRATION OF AN EJECTOR UNIT FOR SIMULATION OF JET ENGINES IN SMALL-SCALE WIND-TUNNEL MODELS.
N67-18951 14B S05 08 HC$ 3.00 MF$ 0.65

JET ENGINE NOISE, MEASUREMENT
MEASUREMENT AND ANALYSES OF THE J57-P21 NOISE FIELD.
AD-648 072 20A U67 09 HC$ 3.00 MF$ 0.65

JET FIGHTERS, RADAR ECHO AREAS
QUANTITATIVE MEASUREMENTS OF RADAR ECHOES FROM AIRCRAFT XIV, FJ-2.
AD-648 512 17I U67 09 HC$ 3.00 MF$ 0.65

JET PLANES, FLIGHT CONTROL SYSTEMS
PILOT-INDUCED OSCILLATIONS THEIR CAUSE AND ANALYSIS.
AD-681 994 1C U67 09 HC$ 3.00 MF$ 0.65

JET STREAM
CONTINUUM ELECTROMECHANICS GROUP ELECTROMECHANICAL CO-STREAMING AND COUNTER- STREAMING INSTABILITIES.
N67-18990 20C S05 08 HC$ 3.00 MF$ 0.65

JET TRANSPORT
STATIC AERODYNAMIC CHARACTERISTICS OF A MODEL OF A TYPICAL SUBSONIC JET-TRANSPORT AIRPLANE AT MACH NUMBERS FROM 0.40 TO 1.20.
N67-18400 20D S05 08 HC$ 3.00 MF$ 0.65

JETS, INCOMPRESSIBLE FLOW
INVISCID-INCOMPRESSIBLE-FLOW THEORY OF NORMAL AND SLIGHTLY OBLIQUE IMPINGEMENT OF A STATIC ROUND JET ON THE GROUND.
AD-648 500 1A U67 09 HC$ 3.00 MF$ 0.65

JETS, MASS TRANSFER
ON MASS ENTRAINMENT BY JETS. PHASE II. THE EFFECT OF SOUND ON JETS.
AD-648 667 20D U67 09 HC$ 3.00 MF$ 0.65

JETS, TWO-DIMENSIONAL FLOW
ON THE NON-LINEAR THEORY OF THIN JETS. A PROBLEM IN SINGULAR PERTURBATION.
AD-672 247 20D U67 09 HC$ 3.00 MF$ 0.65

JOINT
TECHNIQUES FOR HOT-PRESS-BONDING DISSIMILAR METAL COMBINATIONS.
N67-19161 13H S05 08 HC$ 3.00 MF$ 0.65

JUPITER (PLANET)
JUPITER S MAGNETOSPHERE.
N67-18771 3B S05 08 HC$ 3.00 MF$ 0.65

INTERPLANETARY SCINTILLATION IN JOVIAN DECAMETRIC RADIATION.
N67-19045 3B S05 08 HC$ 3.00 MF$ 0.65

N O TITLE FINAL REPORT, MAR. 1957 - MAY 1966.
N67-19047 3B S05 08 HC$ 3.00 MF$ 0.65

KETENES, MOLECULAR STRUCTURE
THE VIBRATIONAL SPECTRA AND STRUCTURE OF DIKETENE AND DIKETENE-D SUB 4.
AD-648 582 7D U67 09

KETENES, PHOTOCHEMISTRY
THE PHOTOCHEMISTRY OF KETENE; THE METHYLENE RADICAL.
AD-648 665 7E U67 09

KINETIC THEORY, PLASMA MEDIUM
KINETIC THEORY OF PLASMAS.
AD-648 456 20I U67 09 HC$ 3.00 MF$ 0.65

KIRCHHOFF LAW
KIRCHHOFF S THEOREM IN THE ACOUSTICS OF A MOVING MEDIUM.
N67-18658 20A S05 08 HC$ 3.00 MF$ 0.65

KITCHEN EQUIPMENT + SUPPLIES, SUBMARINES
INSTRUCTIONAL MATERIAL FOR TYPE S RANGE.
AD-648 025 6H U67 09 HC$ 3.00 MF$ 0.65

KITCHENS, COAST GUARD
REHABILITATION OF CADET MESS, UNITED STATES COAST GUARD ACADEMY, NEW LONDON, CONN.
AD-648 027 6H U67 09 HC$ 3.00 MF$ 0.65

KLEIN-GORDON EQUATION
HOMOGENEOUS CANONICAL FORMALISM AND RELATIVISTIC WAVE EQUATIONS.
N67-18636 20J S05 08 HC$ 3.00 MF$ 0.65

KLYSTRON
REPORT FOR PROGRAM OF COMPARATIVE TEST AND MEASUREMENT OF HIGH POWER KLYSTRONS AND TRAVELLING WAVE TUBES REPORT, OCT. 1964 - FEB. 1965.
N67-19039 9A S05 08 HC$ 3.00 MF$ 0.65

LABELED SUBSTANCES, SULFOBROMOPHTHALEIN SODIUM
THE SYNTHESIS OF SULFOBROMOPHTHALEIN SODIUM CONTAINING S35.
AD-A1 805 6D U67 09 HC$ 3.00

LABELS, PROTECTIVE COVERINGS
DEVELOPMENT OF INSECT PROOF BIN TAG.
AD-648 330 15E U67 09 HC$ 3.00 MF$ 0.65

LABORATORY ANIMALS, ANESTHESIA
EXPERIMENTAL ANIMAL ANESTHESIOLOGY.
AD-648 329 6F U67 09 HC$ 3.00 MF$ 0.65

LABORATORY ANIMALS, PASTEURELLA PESTIS
EFFECT OF DRY CHICKEN EGG YOLK ON WHITE MOUSE SUSCEPTIBILITY TO PLAGUE.
AD-648 095 6M U67 09 HC$ 3.00 MF$ 0.65

LABORATORY ANIMALS, REPORTS
ANNUAL REPORT 1966-1967.
AD-647 898 6C U67 09 HC$ 3.00 MF$ 0.65

LABORATORY EQUIPMENT, MASS TRANSFER
MASS TRANSFER IN SOLUTION.
PR-174 303 14B U67 09 HC$ 3.00 MF$ 0.65

LABOR, COSTS
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AD-648 066 5J U67 09 HC$ 3.00 MF$ 0.65

LACTATES, HYPOXIA

OXYGEN DEFICIT INCURRED DURING HYPOXIA AND ITS RELATION TO EXCESS LACTATE,
AD-648 416 6S U67 09 HC$ 3.00 MF$ 0.65

LAKES, ORGANIC MATERIALS
SOME CONSEQUENCES OF THE DECOMPOSITION OF ORGANIC MATTER IN LAKE NITINAT, AN ANOXIC FJORD,
AD-648 388 8W U67 09

LAMINAR BOUNDARY LAYER SEPARATION
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N67-19281 20D S05 08 HC$ 3.00 MF$ 0.65

LAMINAR FLOW, PRESSURE GAGES
DIGITAL COMPUTER ORIENTED METHODS FOR DETERMINING THE RESPONSE OF PRESSURE MEASUREMENT SYSTEMS TO STEP AND RAMP FORCING FUNCTIONS,
AD-648 457 14R U67 09 HC$ 3.00 MF$ 0.65

LAMINATED PLASTICS, TENSILE PROPERTIES
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE TENSILE MODULI OF PARALLEL FILAMENT COMPOSITES,
AD-456 718 11D U67 09 HC$ 3.00

LANDING GEAR, STRESSES
STRESS REPORT, NOSE LANDING GEAR ASSEMBLY,
AD-648 007 1C U67 09 HC$ 3.00 MF$ 0.65

LANDING SYSTEM
GEMINI LAND LANDING SYSTEM DEVELOPMENT PROGRAM, VOLUME I - FULL-SCALE INVESTIGATIONS,
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GEMINI LAND LANDING SYSTEM DEVELOPMENT PROGRAM, VOLUME II - SUPPORTING INVESTIGATIONS,
N67-19279 22B S05 08 HC$ 3.00 MF$ 0.65

LANGMUIR PROBES, PLASMA MEDIUM
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AD-647 980 20I U67 09

LANTHANUM COMPOUNDS, CRYSTAL GROWTH
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AD-648 454 20R U67 09 HC$ 3.00 MF$ 0.65

LAP JOINT
APPLICATION OF THE PROT ACCELERATED METHOD FOR THE DETERMINATION OF THE FATIGUE STRENGTH OF OVERLAPPED METAL BONDED JOINTS,
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LASERS, DYES
INVESTIGATION OF SPECTRAL BLEACHING IN PASSIVE Q-SWITCH DYES,
AD-648 569 20E U67 09

LASERS, ENERGY CONVERSION
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AD-483 724 10B U67 09 HC$ 3.00 MF$ 0.65

LASERS, MAGNETIC FIELDS
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AD-648 238 20F U67 09

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AD-648 454 20R U67 09 HC$ 3.00 MF$ 0.65

LASERS, PHASE-LOCKED SYSTEMS
MODE-LOCKING AND MODE PROPERTIES OF OPTICAL LASERS,
AD-648 262 20E U67 09 HC$ 3.00 MF$ 0.65

LASERS, PHOTOGRAPHIC TECHNIQUES
THE STUDY OF NEW CONCEPTS IN SOLID STATE TRANSDUCERS,
AD-647 957 20L U67 09 HC$ 3.00 MF$ 0.65

LASERS, PUMPING(ELECTRONICS)
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AD-648 055 20F U67 09

LASERS, SATELLITE TRACKING SYSTEMS
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AD-648 165 17H U67 09 HC$ 3.00 MF$ 0.65

LASERS, SEMICONDUCTORS
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AD-648 588 20L U67 09 HC$ 3.00 MF$ 0.65

LASERS, WOUNDS + INJURIES
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AD-648 204 6R U67 09

LATIN AMERICA, INSURGENCY
A SELECTED BIBLIOGRAPHY ON URBAN INSURGENCY AND URBAN UNREST IN LATIN AMERICA AND OTHER AREAS,
AD-648 508 15G U67 09 HC$ 3.00 MF$ 0.65

LAUNCH VEHICLE
AN INVESTIGATION OF FORCES ON AN OSCILLATING CYLINDER FOR APPLICATION TO GROUND WIND LOADS ON LAUNCH VEHICLES,
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DEVELOPMENT OF LIGHTWEIGHT THERMAL INSULATION MATERIALS FOR RIGID HEAT SHIELDS FINAL SUMMARY REPORT, 25 JUN. 1964 - 25 SEP. 1966,
N67-19125 11G S05 08 HC$ 3.00 MF$ 0.65

THEORY AND ANALYSIS OF A HIGHLY ELASTIC LAUNCH VEHICLE,
N67-19128 22D S05 08 HC$ 3.00 MF$ 0.65

LAUNCH VEHICLES(AEROSPACE), ENVIRONMENT
PAD-ABORT THERMAL FLUX MODEL FOR LIQUID ROCKET PROPELLANTS,
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LAUNCHING
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LAUNCHING FACILITY
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N67-18753 22D S05 08 HC$ 3.00 MF$ 0.65

LAUNCHING, WIND
DIFFERENCES OF TOWER AND PIRAL WIND PROFILES,
AD-648 150 4R U67 09 HC$ 3.00 MF$ 0.65

LEAD TELLURIDE
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LEADERSHIP PERFORMANCE OF NURSING SUPERVISORS AT TWO ORGANIZATIONAL LEVELS,
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LEADERSHIP, SOCIAL PSYCHOLOGY
LEADERSHIP STATUS AS A MODULATOR OF THE DETERMINATION OF SOCIAL INTERACTION BY PRIOR REINFORCEMENT,
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LEADING EDGE
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LEAD, COLLOIDS
CURING OF EPOXY RESINS WITH COLLOIDAL LEAD,
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CRITERION FOR MASS DROP-OFF MEASUREMENTS BASED UPON PRECISE PRESSURE AND TEMPERATURE MEASUREMENTS,
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LEARNING, FUNCTIONAL ANALYSIS
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LEARNING, STRESS(PSYCHOLOGY)
AN EXPLORATORY STUDY IN COMPARATIVE PSYCHOPHYSIOLOGY,
AD-648 546 5J U67 09 HC$ 3.00 MF$ 0.65

LEAST SQUARES METHOD
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LEAST SQUARES METHOD, ITERATIVE METHODS
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LEE WAVE
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ELECTRON MICROSCOPIC STUDY OF THE RELATIONSHIP OF LEPTOSPIRA POMONA TO THE RENAL TUBULES OF THE HAMSTER DURING ACUTE AND CHRONIC LEPTOSPIROSIS,
AD-648 491 6C U67 09

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N67-18711 3C S05 08 HC$ 3.00 MF$ 0.65

LICE, RICKETTSIA PROWAZEKI
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AD-648 111 6M U67 09 HC$ 3.00 MF$ 0.65

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AD-647 932 6C U67 09

LIFE
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N67-19057 13H S05 08 HC$ 3.00 MF$ 0.65

LIFE SUPPORT, SUBMARINES
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LIGHT PULSES, ATTENUATION
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LIGHT SCATTERING
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AD-648 105 6M U67 09 HC$ 3.00 MF$ 0.65

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N67-19129 11G S05 08 HC$ 3.00 MF$ 0.65

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LUNAR TIDE
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LUNIK X LUNAR PROBE
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EVALUATION AND TEST OF NEW TYPE CARTON STAPLING MACHINES.
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TECHNIQUES FOR APPLYING PROBABILITY TO THE TOLERANCING OF MACHINED DIMENSIONS.
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THE CRYSTAL STRUCTURE OF THE PHASE BETA MG/2A13.
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MAGNESIUM OXIDES, ELECTRON SPIN RESONANCE
MULTIPLE-QUANTUM TRANSITIONS IN MAGNESIUM OXIDE.
AD-647 992 20L U67 09

MAGNETIC COIL
DEVELOPMENT OF MAGNETIC COILS FOR CONTINUOUS USE AND A COIL-POSITIONING AND TRANSPORTER DOLLY FINAL REPORT, JUN. 1964 - FEB. 1966.
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THE FIRST CORRECTION TO THE SECOND ADIABATIC INVARIANT OF CHARGED-PARTICLE MOTION.
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THE EFFECT OF CROSSED MAGNETIC FIELD ON POTENTIAL MINIMUM STABILITY.
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DYNAMICS OF A GYROVISCOUS PLASMA.
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EFFECTS AND AFTER-EFFECTS ON PLANARIANS OF REVERSALS OF THE HORIZONTAL MAGNETIC VECTOR.
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MAGNETIC STORM
HIGH LATITUDE MAGNETIC DISTURBANCES (A BRIEF REVIEW WITH INITIAL RESULTS FROM MOTION PICTURE PRESENTATION).
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A STUDY OF THE MECHANISMS OF WHISTLER PROPAGATION AND VLF EMISSION GENERATION.
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LABORATORY PROFILE OF 283 HEALTHY MALE ADULTS.
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JOINT AFLC/ESD/MITRE ADVANCED DATA MANAGEMENT (ADAM) EQUIPMENT.
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PROCEEDINGS DEFENSE CONFERENCE ON QUALITY AND RELIABILITY MANAGEMENT 2, 3, AND 4 AUGUST 1966, UNITED STATES NAVAL ACADEMY, ANNAPOLIS, MARYLAND. VOLUME I.
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EXPANDING CANNON INDUSTRIES MANUFACTURING FACILITIES.
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MULTIPLE-QUANTUM TRANSITIONS IN MAGNESIUM OXIDE.

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ANALYTICAL DESIGN OF MANNED CONTROL SYSTEMS.
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ASYMPTOTIC EFFICIENCY OF TWO NONPARAMETRIC COMPETITORS OF WILCOXON S TWO SAMPLE TEST.
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VALVES AND VALVE PROBLEMS.
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MAN-COMPUTER ROLES IN SPACE NAVIGATION AND GUIDANCE, PHASE I.
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SOME ASPECTS OF MAN-COMPUTER COMMUNICATION IN ACTIVE MONITORING OF AUTOMATED CHECKOUT.
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THE APPLICATION OF MAN-MACHINE SYSTEM EQUALIZATION TECHNIQUES IN THE DESIGN OF A HEAD-UP DISPLAY.
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MAN-MACHINE SYSTEMS, NOISE
MAN-MADE NOISE.
PB-174 278 5H U67 09 HC$ 3.00 MF$ 0.65

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RESEARCH IN STABILITY OF PERIODIC MOTIONS QUARTERLY PROGRESS REPORT, 5 AUG. - 4 NOV. 1966.
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MAPPING, MOON
DEPARTMENT OF DEFENSE SELENODETIC CONTROL SYSTEM, 1966.
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ANNUAL PROGRESS REPORT FOR 1966.
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HOT BRINES AND RECENT IRON DEPOSITS IN DEEPS OF THE RED SEA.
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MESOSCALE MOTIONS IN OCEANIC STRATUS AS REVEALED BY SATELLITE DATA.
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MARINER MARS 1964 PROJECT REPORT - SPACECRAFT PERFORMANCE AND ANALYSIS.
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MINEFIELD MARKER-LIGHT CHARACTERISTICS.
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LIFE IN EXTRATERRESTRIAL ENVIRONMENTS QUARTERLY STATUS REPORT, NOV. 15, 1966 - FEB. 15, 1967.
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PAYLOAD TO MARS RECONNAISSANCE ORBIT USING PRESENT AND FUTURE BOOSTER SYSTEMS.
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MASER MODEL FOR INTERSTELLAR OH MICROWAVE EMISSION.
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A MASS SPECTROMETRIC DETERMINATION OF THE COMPOSITION OF THE NIGHTTIME TOPSIDE IONOSPHERE.
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MASS-SPECTROMETRIC STUDY OF ION-MOLECULE REACTIONS OF ETHANOL AND METHANOL.
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MASS SPECTROSCOPY, METHANE
ION-MOLECULE REACTIONS OF METHANE.
AD-648 427 7D U67 09

MASS SPECTROSCOPY, SPECTRUM ANALYZERS
METHOD FOR IMPROVING SENSITIVITY AND RESOLUTION OF MASS SPECTROMETER.
AD-648 431 14B U67 09

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MASS TRANSFER IN ANNULAR, TWO-PHASE FLOW FINAL REPORT.
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SNAP-8 MATERIALS REPORT FOR JULY - DECEMBER 1965.
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SNAP-8 MATERIALS REPORT SEMIANNUAL MATERIALS REPORT, JAN. - JUN. 1966.
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PRESERVATION MATERIALS HANDLING EQUIPMENT.
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RESEARCH IN SPECIAL PURPOSE MATERIALS.
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ANNUAL TECHNICAL REPORT (4TH), JULY 1, 1965 TO JUNE 30, 1966.
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NOTES TOWARDS AN AXIOMATIZATION OF INTUITIONISTIC ANALYSIS.
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MATHEMATICAL MODELS, BOUNDARY LAYER
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MARKOV CHAIN THEORY OF FREE-MOLECULE FLOW.
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SPACE MATHEMATICS, PART 3 LECTURES IN APPLIED MATHEMATICS VOLUME 7.
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SPACE MATHEMATICS, PART 1 LECTURES IN APPLIED MATHEMATICS VOLUME 5.

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MATRIX ALGEBRA
UNITARY REPRESENTATIONS OF U/2,2/ AND MASSLESS FIELDS.
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FORTRAN SUBROUTINES FOR HOUSEHOLDERS METHOD IN THE COMPLEX CASE AND EIGENSYSTEMS OF HERMITIAN MATRICES,
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MATRIX ALGEBRA, GROUPS(MATHEMATICS)
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MECHANICAL PROPERTIES, DATA STORAGE SYSTEMS
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MEMBRANE STRUCTURE
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MERCURY (MA-9) FLIGHT
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METAL CRYSTAL
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A STUDY OF THE MEAN INTERDIURNAL PRESSURE AND TEMPERATURE VARIABILITY AT THE SURFACE AND OF THE MEAN INTERDIURNAL ALTITUDE AND TEMPERATURE VARIABILITY AT THE 300, 500 AND 700 MB LEVELS OVER CHINA,
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DETERMINING EFFECTIVENESS OF BIOCIDAL ADDITIVES IN COATINGS,
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OFF-DESIGN PERFORMANCE OF TWO ISENTROPIC PLUG NOZZLES DESIGNED FOR A PRESSURE RATIO OF 16.5,
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INVESTIGATION OF THE PHOTOPOLYMERIZATION PROCESS.
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APPLICATION TEST OF DRUM CARRIER.
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DEVELOPMENT OF MAGNETIC COILS FOR CONTINUOUS USE AND A COIL-POSITIONING AND TRANSPORTER DOLLY FINAL REPORT, JUN. 1964 - FEB. 1966.
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GRAIN-BOUNDARY MIGRATION IN POTASSIUM CHLORIDE BICRYSTALS.
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THE ELECTRICAL CONDUCTIVITY OF AQUEOUS 0.03 TO 4.0M KCl SOLUTIONS UNDER HYDROSTATIC PRESSURE.
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COADSORPTION OF HYDROGEN AND POTASSIUM ON TUNGSTEN.
ADSORPTION OF HYDROGEN ON POTASSIUM.
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POTENTIAL SCATTERING, EQUATIONS
FORMULA FOR THE ASYMMETRY IN DOUBLE SCATTERING OF FAST ELECTRONS BY THOMAS-FERMI-DIRAC FIELD.
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POTENTIAL SCATTERING, PHASE SHIFT
SIMPLE ANALYTICAL FORMULA FOR THE PHASE SHIFTS OF ELECTRON SCATTERING BY GIVEN ATOMIC FIELDS.
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POTENTIAL THEORY, ALGEBRAIC TOPOLOGY
HARMONIC SEMIFIELDS.
AD-647 972 12A U67 09

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CAVITATION DAMAGE IN LIQUID METAL COOLED REACTOR POWERPLANTS.
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A NEW LASER POWER SUPPLY.
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ISOSEARCH, COMPUTER PROGRAM FOR CALCULATING UNKNOWN VARIABLES IN REACTION AND DECAY SCHEMES,
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THE 1585 KEV RESONANCE IN 29SI(P,GAMMA)30P AND PROPERTIES OF 30P LEVELS,
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AN EXPLORATORY STUDY IN COMPARATIVE PSYCHOPHYSIOLOGY.
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THE DEVELOPMENT OF AN EXPERIMENTAL MODEL OF A HIGHPOWER, BROAD-BAND, COAXITRON AMPLIFIER,
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A WIDE-RANGE MULTI-INPUT PULSE HEIGHT RECORDING SYSTEM.
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MEASUREMENT OF RAY DEVIATIONS IN AN OPTICALLY INHOMOGENEOUS FIELD,
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SPIN-ORBIT INTERACTION IN GRAPHITE.
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A QUANTUM CHARACTERIZATION OF CLASSICAL RADIATION.
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A NOTE ON OPERATOR CALCULUS IN QUANTUM MECHANICS.
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A PLASMA MODEL OF QUASARS AND RADIO GALAXIES.
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A COMPLEMENTARY SLOT-DIPOLE ANTENNA FOR HEMISPHERICAL COVERAGE.
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VELOCITY CHARACTERISTICS OF SOME CLEAR-AIR ROT ANGELS.
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AMPLITUDE MEASUREMENT OF NOISE-MASKED PERIODIC WAVEFORMS.
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ANGULAR RESOLUTION BEYOND THE RAYLEIGH LIMIT.
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RADIATION EFFECTS IN THE DIELECTRIC MATERIALS.
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EFFECTS OF PULSE NUCLEAR RADIATION ON STEP RECOVERY DIODES.
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SILICON DIODE FAST-NEUTRON DOSIMETER. PHASE IV. DETERMINATION OF THE ENERGY DEPENDENCE OF THE DAMAGE CONSTANT.
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OGO-E COSMIC RADIATION - NUCLEAR ABUNDANCE EXPERIMENT.
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EXPERIMENTAL MEASUREMENTS OF THE SHORT BACKFIRE ANTENNA.
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INHIBITION OF THE DEVELOPMENT OF HEPATIC MICROSOMAL DETOXIFICATION ENZYMES BY X-IRRADIATION.
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AN INITIAL INVESTIGATION OF THE EFFECTS OF PULSED IONIZING RADIATION ON THE PRIMATE EQUILIBRIUM FUNCTION.
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AD-647 998 6P U67 09

RIBONUCLEIC ACID (RNA)
AZOTOBACTER VINELANDII RNA POLYMERASE. II - EFFECT OF RIBONUCLEASE ON POLYMERASE ACTIVITY,
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RICHARDSON NUMBER
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RICKETTSIA PROWAZEKI, LICE
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RICKETTSIA, DISEASES
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RICKETTSIA, FLUORESCENT ANTIBODY TECHNIQUES
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RIVERS, EROSION
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PB-174 237 13B U67 09 HC$ 3.00 MF$ 0.65

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ROCKET ANTENNAS, VERY HIGH FREQUENCY
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ROCKET BOOSTER
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ROCKET CASES, COMPOSITE MATERIALS
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ROCKET ENGINE DESIGN
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N67-19123 21M S05 08 HC$ 3.00 MF$ 0.65

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ROCKET MOTOR NOZZLES, NOZZLE GAS FLOW
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ROCKET MOTORS(LIQUID PROPELLANT), THEORY
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ROCKET NOZZLE
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SUSCEPTIBILITY OF SOME SPECIES OF STEPPE RODENTS TO ARTIFICIAL INFECTION WITH WEAKLY VIRULENT PLAGUE STRAINS ISOLATED IN TRANSBAYKALYA.
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ROTOR BLADE
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A QUASI-GLOBAL ANALYSIS OF TROPOSPHERIC WATER VAPOR CONTENT FROM TIROS IV RADIATION DATA.
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INTERIM FLIGHT REPORT, ANCHORED INTERPLANETARY MONITORING PLATFORM AIMP I - EXPLORER XXXIII.
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AD-648 374 13I U67 69 HC$ 3.00 MF$ 0.65

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N67-18975 5A S05 08 HC$ 3.00 MF$ 0.65

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N67-18989 3A S05 08 HC$ 3.00 MF$ 0.65

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N67-19045 3A S05 08 HC$ 3.00 MF$ 0.65

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AD-648 478 6C U67 09 HC$ 3.00 MF$ 0.65

SEA ICE, UNDERWATER SOUND
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AD-648 485 8J U67 09 HC$ 3.00 MF$ 0.65

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SEA WATER, ORGANIC MATERIALS
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SEA WATER, TRACER STUDIES
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AD-648 600 8H U67 09

SEALING
DEVELOPMENT OF MAIN SHAFT SEALS FOR ADVANCED AIR BREATHING PROPULSION SYSTEMS SEMIANNUAL REPORT NO. 2, 1 JAN. - 30 JUN. 1966.
N67-19126 11A S05 08 HC$ 3.00 MF$ 0.65

SEDIMENTARY ROCK
ANALYSIS OF ANCIENT SEDIMENTS AND EXTRA-TERRESTRIAL MATERIALS SEMIANNUAL REPORT, 1 JUN. - 30 NOV. 1966.
N67-19120 7C S05 08 HC$ 3.00 MF$ 0.65

SEDIMENTATION, MASS TRANSFER
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SEEBECK EFFECT, GLASS
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SEISMOLOGICAL STATIONS, SYMPOSIA
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AD-648 415 17J U67 09 HC$ 3.00 MF$ 0.65

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AD-647 952 8K U67 09 HC$ 3.00 MF$ 0.65

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N67-18519 7D S05 08 HC$ 3.00 MF$ 0.65

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N67-18549 7D S05 08 HC$ 3.00 MF$ 0.65

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SEMICONDUCTOR DEVICES, GLASS
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SEMICONDUCTOR DEVICES, LASERS
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SET THEORY, GROUPS(MATHEMATICS)
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SHOCK TUBES, SPECTROSCOPY
SHOCK TUBE SPECTROSCOPY LABORATORY, ANNUAL REPORT, 1966,
AD-648 392 14B U67 09 HC$ 3.00 MF$ 0.65

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AD-648 622 6C U67 09

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METHOD FOR IMPROVING SENSITIVITY AND RESOLUTION OF MASS SPECTROMETER,
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SPEECH RECOGNITION, AUTOMATIC
RESEARCH ON SPEECH COMMUNICATION, AUTOMATIC SPEECH RECOGNITION,
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SPHERES, STRESSES
STRESS AND STRAINS IN A PLANAR ARRAY OF ELASTIC SPHERES,
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FIRST MAGNETIC FIELD RESULTS FROM THE OGO-2 SATELLITE,
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SPHERICAL SHELL
SOME FREE VIBRATION AND DYNAMIC RESPONSE PROBLEMS ASSOCIATED WITH CENTRIFUGALLY STABILIZED DISK AND SHELL STRUCTURES SEMIANNUAL PROGRESS REPORT, 15 AUG. 1966 - 15 FEB. 1967,
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INVESTIGATION OF DYNAMIC BEHAVIOR OF THIN SPHERICAL SHELLS SEMIANNUAL TECHNICAL PROGRESS REPORT, 1 AUG. 1966 - 31 JAN. 1967,
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SPIN DYNAMICS
MASER SPIN DYNAMICS,
N67-18747 20F S05 08 HC$ 3.00 MF$ 0.65

SPINELS, CRYSTAL GROWTH
CZOCHRALSKI GROWTH OF LAALO3,
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SINGLE-CRYSTAL GROWTH AND ELECTRICAL TRANSPORT PROPERTIES OF THE SPINEL MG V2O4,
AD-648 674 20B U67 09

SPIN-LATTICE RELAXATION
MASER SPIN DYNAMICS,
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SPLEEN
A STUDY OF HISTONE ACTION ON SYNTHESIS OF ANTIBODIES AND OTHER CELLULAR PROTEINS IN VITRO,
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SQUIB
DEVELOPMENT OF PILE TYPE, HIGH DISCHARGE RATE NICKEL-CADMIUM SQUIB BATTERIES SECOND QUARTERLY REPORT, 5 JUN. - 4 SEP. 1966,
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STABILITY
THE STABILITY THEORY OF SOLUTIONS TO PARTIAL DIFFERENTIAL EQUATIONS - A BIBLIOGRAPHICAL SURVEY,
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THEORETICAL FOUNDATION OF SOME CRITERIA OF EQUILIBRIUM STABILITY OF PLATES,
N67-19204 20K S05 08 HC$ 3.00 MF$ 0.65

CONSTRUCTION OF THE YAPUNOV FUNCTION FOR A CASE OF STABILITY WITH CONSTANTLY ACTING DISTURBANCES IN NONLINEAR SPACES,
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STABILIZATION
APPLICATIONS TECHNOLOGY SATELLITE GRAVITY GRADIENT STABILIZATION SYSTEM QUARTERLY PROGRESS REPORT, 1 JUL. - 31 OCT. 1966,
N67-18982 22H S05 08 HC$ 3.00 MF$ 0.65

STACKING FAULT ENERGY
POSSIBLE RELATION OF FRICTION OF COPPER- ALUMINUM ALLOYS WITH DECREASING STACKING-FAULT ENERGY,
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STAGING, SEPARATION
A SIMPLIFIED PASSIVE SPACECRAFT SEPARATION SYSTEM,
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STAINLESS STEEL
IMPERFECTIONS IN METALS. II - CORROSION AND OXIDATION QUARTERLY REPORT, DEC. 31, 1965 - MAR. 31, 1966,
N67-18523 11F S05 08 HC$ 3.00 MF$ 0.65

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N67-18524 11F S05 08 HC$ 3.00 MF$ 0.65

COLD MOLECULAR WELDING STUDY QUARTERLY REPORT, 15 SEP. - 15 DEC. 1966,
N67-18942 13H S05 08 HC$ 3.00 MF$ 0.65

STANDARDS, INFRARED RADIATION
ABSOLUTE RADIATION STANDARD IN THE FAR INFRARED,
AD-648 287 17E U67 09

STAPHYLOCOCCUS
LIFE IN EXTRATERRESTRIAL ENVIRONMENTS QUARTERLY STATUS REPORT, NOV. 15, 1966 - FEB. 15, 1967,
N67-19156 6F S05 08 HC$ 3.00 MF$ 0.65

STAPHYLOCOCCUS, TOXINS + ANTITOXINS
STUDIES OF THE LETHAL EFFECT OF STAPHYLOCOCCUS ALPHA-TOXIN ON MICE OF SOME INBRED STRAINS,
AD-648 118 6M U67 09 HC$ 3.00 MF$ 0.65

STARS, LINE SPECTRUM
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AD-648 523 3H U67 09

STARS, LITHIUM
LITHIUM OBSERVATIONS IN THE PLEIADES AND IN F STARS IN THE FIELD,
AD-648 524 3B U67 09

STARS, NUCLEAR REACTIONS
THE COMPARISON BETWEEN OBSERVATION AND PREDICTION IN NUCLEOSYNTHESIS,
AD-648 522 3A U67 09

STATE EQUATION
SOME EFFECTS OF NUCLEAR FORCES ON NEUTRON STAR MODELS,
N67-18354 3B S05 08 HC$ 3.00 MF$ 0.65

STATIC AERODYNAMIC CHARACTERISTICS
STATIC AERODYNAMIC CHARACTERISTICS OF A MODEL OF A TYPICAL SUBSONIC JET-TRANSPORT AIRPLANE AT MACH NUMBERS FROM 0.40 TO 1.20,
N67-18400 20D S05 08 HC$ 3.00 MF$ 0.65

STATIC LONGITUDINAL AERODYNAMIC CHARACTERISTICS OF A PROPOSED DECELERATOR TEST VEHICLE,
N67-18409 14B S05 08 HC$ 3.00 MF$ 0.65

STATIC ELECTRICITY
BIOCHEMICAL EFFECTS OF STATIC ELECTRICITY DURING GORDON S EVA,
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AN ANALYSIS OF REPEATED MEASUREMENTS ON EXPERIMENTAL UNITS IN A TWO-WAY CLASSIFICATION,
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STATISTICAL ANALYSIS, INFORMATION THEORY
NEW SOLUTIONS TO THE SIGNAL DESIGN PROBLEM FOR COHERENT CHANNELS,
AD-648 276 9D U67 09

PARAMETER ESTIMATION WITH UNKNOWN SYMBOL SYNCHRONIZATION,
PB-174 283 9D U67 09 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS, ITERATIVE METHODS
ITERATIVE MAXIMUM-LIKELIHOOD ESTIMATION OF THE PARAMETERS OF NORMAL POPULATIONS FROM SINGLY AND DOUBLY CENSORED SAMPLES,
AD-647 922 12A U67 09

STATISTICAL ANALYSIS, PATTERN RECOGNITION
EXPLICIT INCLUSION OF A MIXTURE OF VARIATES AS A SEPARATE CLASS IN PATTERN RECOGNITION PROBLEMS,
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STATISTICAL ANALYSIS, RELIABILITY
STATISTICAL ESTIMATION IN A PROBLEM OF SYSTEM RELIABILITY,
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STATISTICAL ANALYSIS, STATISTICAL DISTRIBUTIONS

POINT AND INTERVAL ESTIMATORS, BASED ON M ORDER STATISTICS, FOR THE SCALE PARAMETER OF A WEIBULL POPULATION WITH KNOWN SHAPE PARAMETER.
AD-647 926 12A U67 09

STATISTICAL ANALYSIS, TERRAIN
A COMPACT STATISTICAL METHOD OF TOPOGRAPHIC REPRESENTATION.
AD-648 487 8R U67 09 HC$ 3.00 MF$ 0.65

STATISTICAL ANALYSIS, UNCERTAINTY
ON THE ADMISSIBILITY OF INVARIANT ESTIMATORS OF ONE OR MORE LOCATION PARAMETERS.
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STATISTICAL CORRELATION
THE EVOLUTION OF WAVE CORRELATIONS IN UNIFORMLY TURBULENT, WEAKLY NONLINEAR SYSTEMS.
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STATISTICAL DISTRIBUTIONS, ANALYSIS OF VARIANCE
ASYMPTOTIC VARIANCES AND COVARIANCES OF MAXIMUM-LIKELIHOOD ESTIMATORS, FROM CENSORED SAMPLES, OF THE PARAMETERS OF A FOUR-PARAMETER GENERALIZED GAMMA POPULATION.
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STATISTICAL DISTRIBUTIONS, STATISTICAL ANALYSIS
POINT AND INTERVAL ESTIMATORS, BASED ON M ORDER STATISTICS, FOR THE SCALE PARAMETER OF A WEIBULL POPULATION WITH KNOWN SHAPE PARAMETER.
AD-647 926 12A U67 09

STATISTICAL FUNCTIONS, ANTENNA ARRAYS
SPACE-TIME CROSS-CORRELATION FUNCTIONS FOR ANTENNA ARRAY ELEMENTS IN A NOISE FIELD.
AD-648 269 17B U67 09

STATISTICAL MECHANICS
ON THE USE OF A PRIORI STATISTICS IN PROBLEMS OF PLASMA TURBULENCE.
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STATISTICAL PROBABILITY
HETEROGENEITY IN THE DISLOCATION ASSEMBLY - ITS EFFECT UPON THE PROBABILITY OF FATIGUE FAILURE.
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MULTICHAIN MARKOV RENEWAL PROGRAMS.
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HOLDER CONDITIONS FOR GAUSSIAN PROCESSES WITH STATIONARY INCREMENTS.
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GENERAL RENEWAL ANALYSIS.
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FLUCTUATIONS OF RENEWAL-REWARD PROCESS.
AD-648 222 12B U67 09 HC$ 3.00 MF$ 0.65

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ON A DISTRIBUTION-FREE METHOD OF ESTIMATING ASYMPTOTIC EFFICIENCY OF A CLASS OF NONPARAMETRIC TESTS.
AD-647 956 12A U67 09

STATISTICAL TESTS, FUNCTIONAL ANALYSIS
ASYMPTOTICALLY OPTIMAL TESTS FOR MULTINOMIAL DISTRIBUTIONS.
AD-648 674 12A U67 09

STATISTICAL TESTS, GEOPHYSICS
ESTIMATION AND TESTING PROCEDURES FOR CIRCULAR NORMALLY DISTRIBUTED DATA.
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STATOR BLADE
SINGLE STAGE EXPERIMENTAL EVALUATION OF SLOTTED ROTOR AND STATOR BLADING, PART IV- DATA AND PERFORMANCE FOR SLOTTED ROTOR 2.
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STEADY STATE FLOW
STEADY STATE FLUID MODELS OF THE ION- EXOSPHERE.
N67-19100 4A S05 08 HC$ 3.00 MF$ 0.65

STEAM
MECHANISM OF STEAM BUBBLE FORMATION.
N67-18659 20M S05 08 HC$ 3.00 MF$ 0.65

STEEL
IN-PILE CORROSION OF NUCLEAR MATERIALS QUARTERLY REPORT NO. 4, DEC. 1, 1965 - FEB. 28, 1966.
N67-18681 11F S05 08 HC$ 3.00 MF$ 0.65

INVESTIGATIONS ON THE INDUSTRIAL APPLICATION POSSIBILITIES OF ACTIVATION ANALYSIS FOR THE DETERMINATION OF OXYGEN AND EVENTUALLY OF NITROGEN AND HYDROGEN IN STEEL. PART I - BIBLIOGRAPHICAL REPORT.
N67-19186 11F S05 08 HC$ 3.00 MF$ 0.65

STEEL, FRACTURE(MECHANICS)
INFLUENCE ON THERMAL AND STRAIN CYCLING ON FRACTURE SUSCEPTIBILITY OF MILD STEEL.
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STELLAR ATMOSPHERE
ON THE FORMATION OF GRAPHITE GRAINS IN COOL STARS.
N67-18578 3R S05 08 HC$ 3.00 MF$ 0.65

STELLAR EVOLUTION
ASTROPHYSICAL EVIDENCE FOR THE DIRECT ELECTRON-NEUTRINO WEAK INTERACTION.
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GRAVITATIONAL COLLAPSE AND WEAK INTERACTIONS.
N67-18356 3R S05 08 HC$ 3.00 MF$ 0.65

THE EVOLUTION OF THE SUN.
N67-18360 3B S05 08 HC$ 3.00 MF$ 0.65

STEREOCHEMISTRY, SUBSTITUTION REACTIONS
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON. XXX. BEHAVIOR OF PHENYLALLYLIC ANIONS AND THEIR CONJUGATE ACIDS.
AD-647 999 7C U67 09

STEREOCHEMISTRY, SULFOXIDES
THE ABSOLUTE CONFIGURATION OF METHYL ALLYL SULFOXIDE. STEREOCHEMISTRY OF THE GRIGNARD SYNTHESIS OF OPTICALLY ACTIVE SULFOXIDES.
AD-648 693 7D U67 09

STIFF STRUCTURE
STRESSES IN A COMPRESSIVELY LOADED CIRCULAR SEMIMONOCOQUE CYLINDER WITH A CUTOUT.
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ECCENTRICALLY STIFFENED SHALLOW SHELLS OF DOUBLE CURVATURE.
N67-18767 20K S05 08 HC$ 3.00 MF$ 0.65

STIFFENED CYLINDERS, BUCKLING(MECHANICS)
INVERSION OF THE ECCENTRICITY EFFECT IN STIFFENED CYLINDRICAL SHELLS BUCKLING UNDER EXTERNAL PRESSURE.
AD-648 255 20K U67 09

STOCHASTIC PROCESSES, INTEGRALS
THREE NOTES ON DERIVATIVES AND INTEGRALS. I. ON DERIVATIVES AND DOUBLE DIFFERENCES II. STIELTJES INTEGRALS WITHOUT BOUNDED VARIATION III. REMARK ON STOCHASTIC INTEGRALS.
AD-648 188 12A U67 09 HC$ 3.00 MF$ 0.65

A NEW FORM OF REPRESENTATION STOCHASTIC INTEGRALS AND EQUATIONS.
AD-804 474 12A U67 09 HC$ 3.00 MF$ 0.65

STOMACH, EXCISION
HEMATOLOGICAL CHANGES FOLLOWING PARTIAL GASTRECTOMY.
AD-648 617 6F U67 09

STORAGE TANKS, SOLUTIONS
MIXING AND SAMPLING ENRICHED 235 U FLUIDS IN CYLINDRICAL STORAGE CONTAINERS.
Y-1561 18I N21 66 HC$ 3.00 MF$ 0.65

STORAGE TANKS, STRESSES
TESTS FOR HYDROGEN EMBRITTLEMENT OF STEELS USED IN TANK FARM CYLINDERS.
LA-3682-MS 11F N21 66 HC$ 3.00 MF$ 0.65

STORAGE, CARGO SHIPS
AKS REPLENISHMENT CAPABILITY SUMMARY PHOTOGRAPHIC REPORT, RECOMMENDATIONS AND RESULTS OF ALTERATIONS FOR IMPROVED STOWAGE FACILITIES AND MATERIALS HANDLING IN USS ALTAIR (AKS 32).
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AKS REPLENISHMENT CAPABILITY EVALUATION OF MATERIALS HANDLING EQUIPMENT AND DETERMINATIONS OF CARGO HANDLING AND STOWAGE REQUIREMENTS ABOARD THE USS ALTAIR (AKS-32) DURING MEDITERRANEAN LOGREPS, JUNE, JULY 1957.
AD-648 287 13J U67 09 HC$ 3.00 MF$ 0.65

STORMS, ATMOSPHERIC PRECIPITATION
RESEARCH IN FOUR-DIMENSIONAL DIAGNOSIS OF CYCLONIC STORM CLOUD SYSTEMS.
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STRATIGRAPHY, ARCTIC REGIONS
QUATERNARY PERIOD IN THE SOVIET ARCTIC.
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STRATIGRAPHY, CLAY
ECOLOGICAL CHANGES IN A MASSIVE FRESH-WATER CLAY SEQUENCE.
AD-648 601 8G U67 09

STRATOSPHERE, AIR MASS ANALYSIS
SOME CHARACTERISTIC FEATURES OF WINTER CIRCULATION IN THE TROPOSHERE AND LOWER STRATOSPHERE.
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STRATUS CLOUDS, ISLANDS
MESOSCALE MOTIONS IN OCEANIC STRATUS AS REVEALED BY SATELLITE DATA.
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STREPTOMYCINS, RESISTANCE(BIOLOGICAL)
OBSERVATIONS ON THE POSSIBILITY OF OBTAINING STREPTOMYCIN-FAST FORMS OF P. PESTIS WITH THE AID OF DNA PREPARATIONS.
AD-648 201 6M U67 09 HC$ 3.00 MF$ 0.65

STRESS ANALYSIS
STRESSES IN A COMPRESSIVELY LOADED CIRCULAR SEMIMONOCOQUE CYLINDER WITH A CUTOUT.
N67-18692 20K S05 08 HC$ 3.00 MF$ 0.65

EXPERIMENTAL STUDY OF THE STRESS DISTRIBUTION IN THE ESSOR REACTOR VESSEL WALL.
N67-19063 18I S05 08 HC$ 3.00 MF$ 0.65

STRESS AND LOAD
APPLICATION OF THE PROT ACCELERATED METHOD FOR THE

DETERMINATION OF THE FATIGUE STRENGTH OF OVERLAPPED METAL BONDED JOINTS.
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STRESS DISTRIBUTION
STRESS DISTRIBUTION AT THE VERTEX OF A GROWING CRACK.
N67-18930 20K S05 68 HC$ 3.00 MF$ 0.65

STRESSES, PHOTOELASTICITY
AN APPLICATION OF SCATTERED LIGHT PHOTOELASTICITY TO DYNAMIC STRESS ANALYSIS.
PB-174 301 20K U67 69 HC$ 3.00 MF$ 0.65

STRESSES, SHOCK WAVES
SHOCK WAVES PRODUCED BY SMALL STRESS INCREMENTS IN ANNEALED ALUMINUM.
AD-648 545 11F U67 69

STRESS(PHYSIOLOGY), CONFINED ENVIRONMENTS
PHYSIOLOGIC BASELINE OF ZOOLOGIC SPECIMENS PHYSIOLOGIC VALUES OF THE NORMAL IMMATURE CHIMPANZEE UNDER RESTRAINT.
AD-648 128 6C U67 69 HC$ 3.00 MF$ 0.65

STRESS(PSYCHOLOGY), PSYCHOPHYSIOLOGY
AN EXPLORATORY STUDY IN COMPARATIVE PSYCHOPHYSIOLOGY.
AD-648 546 5J U67 69 HC$ 3.00 MF$ 0.65

STRONTIUM
WHOLE-ROCK RUBIDIUM-STRONTIUM AGE OF THE SILURIAN- DEVONIAN BOUNDARY IN NORTHEASTERN NORTH AMERICA.
N67-18244 8G S05 68 HC$ 3.00 MF$ 0.65

STRUCTURAL DESIGN
ALLEVIATION OF THERMAL STRESSES IN AIRCRAFT STRUCTURES.
N67-18279 1C S05 68 HC$ 3.00 MF$ 0.65

DEVELOPMENT OF TECHNIQUES AND FABRICATION OF A STRUCTURAL MODEL FOR RESEARCH ON STRUCTURES FOR HYPERSONIC AIRCRAFT FINAL REPORT, JUL. 1963 - JAN. 1966.
N67-19277 1C S05 68 HC$ 3.00 MF$ 0.65

STRUCTURAL FOUNDATION
A FURTHER STUDY OF PLASTIC FOUNDATION MODELS.
N67-19046 20K S05 68 HC$ 3.00 MF$ 0.65

STRUCTURAL GEOLOGY, GLACIERS
A GEOLOGIC INTERPRETATION OF SEISMIC PROFILES IN PRINCE WILLIAM SOUND, ALASKA.
AD-648 421 8G U67 69 HC$ 3.00 MF$ 0.65

STRUCTURAL PARTS, LOADING(MECHANICS)
INELASTIC DESIGN OF LOAD CARRYING MEMBERS. PART III. THE SIGNIFICANCE OF AN INELASTIC ANALYSIS OF ECCENTRICALLY-LOADED MEMBERS.
AD-648 257 20K U67 69 HC$ 3.00 MF$ 0.65

STRUCTURAL PARTS, SONIC FATIGUE
MODELING TECHNIQUES FOR SONIC FATIGUE PREDICTION.
AD-648 87A 20K U67 69 HC$ 3.00 MF$ 0.65

STRUCTURAL SHELLS, BUCKLING(MECHANICS)
INVERSION OF THE ECCENTRICITY EFFECT IN STIFFENED CYLINDRICAL SHELLS BUCKLING UNDER EXTERNAL PRESSURE.
AD-648 255 20K U67 69

STRUCTURAL SHELLS, CYLINDRICAL BODIES
INTERACTION OF MECHANICAL AND AEROELASTIC INSTABILITIES OF A CIRCULAR CYLINDRICAL SHELL.
AD-648 518 20D U67 69

STRUCTURAL SHELLS, VIBRATION
EFFECTS OF ORTHOTROPICITY, BOUNDARY CONDITIONS, AND ECCENTRICITY ON THE VIBRATIONS OF CYLINDRICAL SHELLS.
AD-648 877 20K U67 69 HC$ 3.00 MF$ 0.65

STRUCTURAL WEIGHT
STUDY OF THERMAL PROTECTION REQUIREMENTS FOR A LIFTING BODY ENTRY VEHICLE SUITABLE FOR NEAR-EARTH MISSIONS SUMMARY REPORT.
N67-18278 20H S05 68 HC$ 3.00 MF$ 0.65

STRUCTURES, LOADING(MECHANICS)
K.D.F.9 AND PEGASUS COMPUTER SPECIFICATIONS ELASTIC ANALYSIS OF GRILLAGES UNDER COMBINED LATERAL AND AXIAL LOADS.
AD-648 144 13M U67 69 HC$ 3.00 MF$ 0.65

ON PLASTIC INTERACTION CURVES.
AD-648 384 20K U67 69 HC$ 3.00 MF$ 0.65

STRUCTURES, STORAGE
EVALUATION OF STEEL PALLET RACKS FOR SIGNAL CORPS, U. S. ARMY.
AD-648 311 13M U67 69 HC$ 3.00 MF$ 0.65

STEEL STORAGE RACK.
AD-648 385 13M U67 69 HC$ 3.00 MF$ 0.65

STRUCTURES, VIBRATION
CROSS-CORRELATION IN STRUCTURAL VIBRATION.
AD-648 359 20K U67 69 HC$ 3.00 MF$ 0.65

STYRENE PLASTICS, CREEP
CREEP BEHAVIOR OF POLYSTYRENE BEAD FOAM UNDER UNIAXIAL COMPRESSION.
UCRL-50125 11I N21 66 HC$ 3.00 MF$ 0.65

STYRENES, OXIDATION
HYDROGEN ATOM ABSTRACTION BY PEROXY RADICALS.
AD-647 634 7C U67 69

SUBJECT INDEXING, VOCABULARY
COMBINATORIAL DOCUMENT STORAGE AND RETRIEVAL.
AD-647 900 5B U67 69 HC$ 3.00 MF$ 0.65

SUBMARINE ANTENNAS, PROTECTIVE COVERINGS
COMPOSITE THERMOPLASTIC/GLASS FILAMENT REINFORCEMENT FOR BUOYANT SUBMARINE CABLE RG-372(XN-1)/U AND RG-373(XN-1)/U LITERATURE AND PATENT SURVEY.
AD-647 951 11D U67 69 HC$ 3.00 MF$ 0.65

SUBMARINE PERSONNEL, NAVAL TRAINING
RATION-DENSE TRAINING COURSE COMSUBLANT COMMISSARYMEN, 11-13 APRIL 1960.
AD-648 343 5I U67 69 HC$ 3.00 MF$ 0.65

SUBMARINES, KITCHENS
HIGH-YIELD FOOD TRAINING PROGRAM FOR COMSUBLANT COMMISSARYMEN 23 AUG 1961.
AD-648 339 6H U67 69 HC$ 3.00 MF$ 0.65

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AD-648 342 6H U67 69 HC$ 3.00 MF$ 0.65

SUBMARINES, LIFE SUPPORT
THE PRESENT STATUS OF CHEMICAL RESEARCH IN ATMOSPHERE PURIFICATION AND CONTROL ON NUCLEAR-POWERED SUBMARINES.
AD-648 505 6K U67 69 HC$ 3.00 MF$ 0.65

SUBMARINES, STRUCTURAL PARTS
ADDED MASS OF CYLINDERS REPRESENTING TYPICAL MODERN SUBMARINE CROSS-SECTIONS.
AD-648 398 13J U67 69 HC$ 3.00 MF$ 0.65

SUBSONIC AIRCRAFT
STATIC AERODYNAMIC CHARACTERISTICS OF A MODEL OF A TYPICAL SUBSONIC JET-TRANSPORT AIRPLANE AT MACH NUMBERS FROM 0.40 TO 1.20.
N67-18400 20D S05 68 HC$ 3.00 MF$ 0.65

SUBSTITUTION REACTIONS, STEREOCHEMISTRY
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON. XXX. BEHAVIOR OF PHENYLALLYLIC ANIONS AND THEIR CONJUGATE ACIDS.
AD-647 999 7C U67 69

SULFOBROMOPHTHALEIN SODIUM, SYNTHESIS(CHEMISTRY)
THE SYNTHESIS OF SULFOBROMOPHTHALEIN SODIUM CONTAINING S35.
AD-81 805 6D U67 69 HC$ 3.00

SULFOXIDES, STEREOCHEMISTRY
THE ABSOLUTE CONFIGURATION OF METHYL ALLYL SULFOXIDE. STEREOCHEMISTRY OF THE GRIGNARD SYNTHESIS OF OPTICALLY ACTIVE SULFOXIDES.
AD-648 693 7D U67 69

SUPERAERODYNAMICS, MATHEMATICAL MODELS
MARKOV CHAIN THEORY OF FREE-MOLECULE FLOW.
AD-647 929 20D U67 69

SUPERAERODYNAMICS, MOTION
UNSTEADY PISTON-GENERATED FLOWS IN GASKINETICS.
AD-648 233 20D U67 69 HC$ 3.00 MF$ 0.65

SUPERCONDUCTIVITY
RESEARCH AND DEVELOPMENT OF SUPERCONDUCTING THIN FILMS FINAL REPORT, 15 DEC. 1965 - 15 DEC. 1966.
N67-18689 20L S05 68 HC$ 3.00 MF$ 0.65

SUPERCONDUCTIVITY, TRANSITION TEMPERATURE
SUPERCONDUCTIVITY AND THE D-SHELL.
AD-648 218 20C U67 69

SUPERCONDUCTORS, ELECTRIC CURRENTS
DIRECT EVIDENCE OF PERSISTENT CURRENT LOOPS IN HARD SUPERCONDUCTING WIRE.
AD-648 535 20C U67 69

SUPERSONIC COMBUSTION, REACTION KINETICS
THE INTERNAL STRUCTURE OF HYDROGEN-AIR DIFFUSION FLAMES.
AD-648 681 21B U67 69

SUPERSONIC FLOW
SUPERSONIC FLOW AROUND BLUNT BODIES OF REVOLUTION WITH A GENERATRIX DISCONTINUITY.
N67-18923 1A S05 68 HC$ 3.00 MF$ 0.65

CALCULATION OF THE BASE PRESSURE IN TWO- DIMENSIONAL SUPERSONIC FLOWS.
N67-18924 1A S05 68 HC$ 3.00 MF$ 0.65

MIXING IN SUPERSONIC FLOW.
N67-19055 1A S05 68 HC$ 3.00 MF$ 0.65

SUPERSONIC FLOW, FLOW SEPARATION
SUPERSONIC FLOW SEPARATION ON A BACKWARD FACING STEP.
AD-647 958 20D U67 69 HC$ 3.00 MF$ 0.65

SUPERSONIC FLOW, STRUCTURAL SHELLS
INTERACTION OF MECHANICAL AND AEROELASTIC INSTABILITIES OF A CIRCULAR CYLINDRICAL SHELL.
AD-648 518 20D U67 69

SUPERSONIC SPEED
INVESTIGATION OF TURBULENT SEPARATED FLOWS IN THE VICINITY OF FIN-TYPE PROTUBERANCES AT SUPERSONIC MACH NUMBERS.
N67-18406 20D S05 68 HC$ 3.00 MF$ 0.65

SUPERVISORY PERSONNEL, NURSES
LEADERSHIP PERFORMANCE OF NURSING SUPERVISORS AT TWO ORGANIZATIONAL LEVELS.
AD-648 407 5J U67 69 HC$ 3.00 MF$ 0.65

SURFACE EROSION
IMPERFECTIONS IN METALS, II - CORROSION AND OXIDATION QUARTERLY REPORT, DEC. 31, 1965 - MAR. 31, 1966.
N67-18523 11F S05 08 HC$ 3.00 MF$ 0.65

SURFACE INTERACTION
MASS TRANSFER IN ANNULAR, TWO-PHASE FLOW FINAL REPORT.
N67-19328 20D S05 08 HC$ 3.00 MF$ 0.65

SURFACE PROPERTY
POLARIZATION DEPENDENT RADAR RETURN FROM ROUGH SURFACES.
N67-18974 17I S05 08 HC$ 3.00 MF$ 0.65

SURFACE ROUGHNESS
BACKSCATTER OF ULTRASONIC WAVES FROM A ROUGH LAYER.
N67-18976 20A S05 08 HC$ 3.00 MF$ 0.65

SURFACE TEMPERATURE
USE OF ANALOG COMPUTATION IN PREDICTING DYNAMIC TEMPERATURE EXCURSIONS OF ORBITING SPACECRAFT.
N67-18721 9B S05 08 HC$ 3.00 MF$ 0.65

SURVEYOR I SPACECRAFT
MECHANICAL, OPTICAL, THERMAL AND ELECTRICAL PROPERTIES OF THE SURVEYOR I LANDING SITE.
N67-19191 3R S05 08 HC$ 3.00 MF$ 0.65

SURVIVAL, ARCTIC REGIONS
ALASKAN ESKIMO EXPLOITATION OF THE SEA ICE ENVIRONMENT.
AD-648 478 6C U67 09 HC$ 3.00 MF$ 0.65

SUSPENSION SYSTEM
EXPERIMENTAL RESEARCH ON THE ELECTRIC VACUUM GYRO FINAL TECHNICAL REPORT.
N67-19276 9C S05 08 HC$ 3.00 MF$ 0.65

SWAMPS, ECOLOGY
ECOLOGICAL CHANGES IN A MASSIVE FRESH-WATER CLAY SEQUENCE.
AD-648 681 8G U67 09

SWEATING
THE PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN SWEAT AND FACTORS AFFECTING THE WATER BALANCE IN CONFINED SPACES SEMI-ANNUAL STATUS REPORT, NO. 3, 1 JUL. - 31 DEC. 1966.
N67-19216 6S S05 08 HC$ 3.00 MF$ 0.65

SYMPOSIA, DEPARTMENT OF DEFENSE
PROCEEDINGS DEFENSE CONFERENCE ON QUALITY AND RELIABILITY MANAGEMENT 2, 3, AND 4 AUGUST 1966, UNITED STATES NAVAL ACADEMY, ANNAPOLIS, MARYLAND. VOLUME I.
AD-648 315 5A U67 09 HC$ 3.00 MF$ 0.65

PROCEEDINGS DEFENSE CONFERENCE ON QUALITY AND RELIABILITY MANAGEMENT 2, 3, AND 4 AUGUST 1966, UNITED STATES NAVAL ACADEMY, ANNAPOLIS, MARYLAND. VOLUME II.
AD-648 316 5A U67 09 HC$ 3.00 MF$ 0.65

SYNCHRONIZATION
A NANOSECOND LIGHT-PULSE GENERATOR WITH EXTERNAL SYNCHRONIZATIONS.
N67-18996 20F S05 08 HC$ 3.00 MF$ 0.65

SYNCHRONIZATION(ELECTRONICS), INFORMATION THEORY
PARAMETER ESTIMATION WITH UNKNOWN SYMBOL SYNCHRONIZATION.
PB-174 283 9D U67 09 HC$ 3.00 MF$ 0.65

SYNCHRONOUS SATELLITE
TECHNICAL AND COST FACTORS THAT EFFECT TELEVISION RECEPTION FROM A SYNCHRONOUS SATELLITE FINAL REPORT.
N67-19181 17B S05 08 HC$ 3.00 MF$ 0.65

SYNTHESIS
A STUDY OF HISTONE ACTION ON SYNTHESIS OF ANTIBODIES AND OTHER CELLULAR PROTEINS IN VITRO.
N67-18941 6A S05 08 HC$ 3.00 MF$ 0.65

SYNTHESIS OF ATACTIC AND STEREOREGULAR VINYLAROMATIC POLYMERS AND A STUDY OF THEIR REACTIONS WITH ALKALI METALS FINAL REPORT.
N67-18978 7C S05 08 HC$ 3.00 MF$ 0.65

SYNTHESIS(CHEMISTRY), COMPLEX COMPOUNDS
STRUCTURE OF DIMETHYLGOLD(III) COMPOUNDS, SPECTROSCOPIC STUDIES ON THE AQUO ION AND SEVERAL COORDINATION COMPOUNDS.
AD-648 258 7D U67 09

SYSTEMS ANALYSIS
MARINER MARS 1964 PROJECT REPORT - SPACECRAFT PERFORMANCE AND ANALYSIS.
N67-18625 22B S05 08 HC$ 3.00 MF$ 0.65

SYSTEMS ENGINEERING, PREDICTIONS
HUMAN FACTORS IN SYSTEMS ANALYSIS.
ATI-78 826 5E U67 09 HC$ 3.00

SYSTEMS ENGINEERING, SCHEDULING
ORGANIZATION OF SYSTEM CONTROL.
PB-173 641 12B U67 09 HC$ 3.00 MF$ 0.65

TABLE
SHORT PERIOD LUNAR AND SOLAR PERTURBATIONS FOR ARTIFICIAL SATELLITES.
N67-18737 22C S05 08 HC$ 3.00 MF$ 0.65

TAIL
OBSERVATIONS OF THE EARTH S MAGNETIC TAIL AND NEUTRAL SHEET AT 510,000 KM BY EXPLORER 33.
N67-18650 3R S05 08 HC$ 3.00 MF$ 0.65

TANKS(CONTAINERS), HANDLING
APPLICATION TEST OF DRUM CARRIER.
AD-648 384 13C U67 09 HC$ 3.00 MF$ 0.65

TANTALUM ALLOYS, COATINGS
SILICIDE COATINGS FOR TANTALUM AND TANTALUM-BASE ALLOYS.
AD-648 198 11C U67 09

TANTALUM CAPACITORS, GUIDED MISSILE COMPONENTS
MISSILE COMPONENTS RESEARCH PROGRAM FOR CAPACITORS, FIXED, TANTALUM ELECTROLYTIC.
AD-220 885 9A U67 09 HC$ 3.00

TANTALUM CARBIDE
STUDY OF GROWTH PARAMETERS FOR REFRACTORY CARBIDE SINGLE CRYSTALS QUARTERLY STATUS REPORT, SEP. 1 - DEC. 1, 1966.
N67-18983 20B S05 08 HC$ 3.00 MF$ 0.65

TANTALUM COMPOUNDS, CHEMICAL PROPERTIES
TANTALUM AND NIOBIUM.
AD-648 038 7B U67 09

TARGETS, DETECTION
AN INVESTIGATION OF SECTIONAL AERONAUTICAL CHARTS AND SERIES 200 CHARTS AS BRIEFING AIDS FOR A SIDE-LOOKING RADAR RECONNAISSANCE TASK.
AD-648 074 17I U67 09 HC$ 3.00 MF$ 0.65

TARGETS, VISIBILITY
EFFECT OF BACKSCATTER FROM AIRCRAFT BEACON LIGHTS ON TARGET VISIBILITY IN FOG.
AD-648 611 1B U67 09 HC$ 3.00 MF$ 0.65

TECHNOLOGY
POPULATION GROWTH IN MAN AND ITS CONSEQUENCES.
N67-18621 9K S05 08 HC$ 3.00 MF$ 0.65

TELEMETERING ANTENNAS, DESIGN
TELEMETRY AND COMMAND ANTENNAS FOR THE ATMOSPHERIC COMPOSITION SATELLITE.
AD-648 164 9E U67 09 HC$ 3.00 MF$ 0.65

TELEMETRY, COMMAND, AND BEACON ANTENNAS FOR VARIOUS AIR FORCE ROCKETS, PROBES AND SATELLITES.
AD-648 243 9E U67 09 HC$ 3.00 MF$ 0.65

TELEMETRY
INTERMODULATION DISTORTION FROM RECEIVER NON-LINEAR PHASE CHARACTERISTICS FINAL REPORT.
N67-19135 9F S05 08 HC$ 3.00 MF$ 0.65

TELESCOPE
A TELESCOPE SUITABLE FOR ROCKET BORNE INSTRUMENTATION.
N67-18920 3A S05 08 HC$ 3.00 MF$ 0.65

TELEVISION DISPLAY SYSTEMS, SCANNING
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AD-648 225 17B U67 09 HC$ 3.00 MF$ 0.65

TELEVISION RECEPTION
TECHNICAL AND COST FACTORS THAT EFFECT TELEVISION RECEPTION FROM A SYNCHRONOUS SATELLITE FINAL REPORT.
N67-19181 17B S05 08 HC$ 3.00 MF$ 0.65

TELEVISION TRANSMISSION
NIMBUS I AUTOMATIC PICTURE TRANSMISSION (APT) I V-CAMERA SYSTEM.
N67-18648 14E S05 08 HC$ 3.00 MF$ 0.65

TEMPERATURE CONTROL
DEVELOPMENT OF AN INTERNAL RESTRAINT SYSTEM FOR AN INTEGRATED RESTRAINT-PRESSURE SUIT SYSTEM REPORT, 7 JUN. 1965 - 28 JUN. 1966.
N67-18308 6K S05 08 HC$ 3.00 MF$ 0.65

DEVELOPMENT OF SPACE-STABLE THERMAL-CONTROL COATINGS.
N67-18517 11C S05 08 HC$ 3.00 MF$ 0.65

EFFECT OF ENVIRONMENT ON THERMAL CONTROL COATINGS.
N67-18549 7D S05 08 HC$ 3.00 MF$ 0.65

AN INVESTIGATION OF THE BEHAVIOR OF A PASSIVE HEAT TRANSFER CONTROL DEVICE.
N67-18980 20H S05 08 HC$ 3.00 MF$ 0.65

TEMPERATURE EFFECT
HEAT TRANSFER ACROSS SURFACES IN CONTACT - PRACTICAL EFFECTS OF TRANSIENT TEMPERATURE AND PRESSURE ENVIRONMENTS SEMIANNUAL REPORT, 1 APR. - 1 OCT. 1966.
N67-18979 20H S05 08 HC$ 3.00 MF$ 0.65

TEMPERATURE MEASUREMENT
EFFECT OF THERMOCOUPLE WIRE SIZE AND CONFIGURATION ON INTERNAL TEMPERATURE MEASUREMENTS IN A CHARRING ABLATOR.
N67-18407 20H S05 08 HC$ 3.00 MF$ 0.65

CRITERION FOR MASS DROP-OFF MEASUREMENTS BASED UPON PRECISE PRESSURE AND TEMPERATURE MEASUREMENTS.
N67-19021 20D S05 08 HC$ 3.00 MF$ 0.65

TEMPERATURE FLUCTUATIONS IN THE HEATING WALL AND IN THE BOILING LIQUID DURING NUCLEATE BOILING.
N67-19196 20H S05 08 HC$ 3.00 MF$ 0.65

TEMPERATURE PROFILE
THE MERITS AND SHORTCOMINGS OF A MICHELSON TYPE INTERFEROMETER TO OBTAIN THE VERTICAL TEMPERATURE AND HUMIDITY PROFILE.
N67-18697 20F S05 08 HC$ 3.00 MF$ 0.65

TERPENES, DEGRADATION
THE ENZYMATIC DEGRADATION OF TERPENES.

AD-648 824 6A U67 09 HC$ 3.00 MF$ 0.65

TERRAIN, CHINA
SYMPOSIUM OF GEOGRAPHICA SINICA ON GEOMORPHOLOGY (1965), COLLECTED PAPERS TRANSLATED SUMMARY AND TITLES OF ARTICLES.
AD-648 163 8F U67 09 HC$ 3.00 MF$ 0.65

TERRAIN, INFORMATION RETRIEVAL
TERP A TERRAIN ELEVATION RETRIEVAL PROGRAM.
PB-174 277 5B U67 09 HC$ 3.00 MF$ 0.65

TERRAIN, STATISTICAL ANALYSIS
A COMPACT STATISTICAL METHOD OF TOPOGRAPHIC REPRESENTATION.
AD-648 487 8B U67 09 HC$ 3.00 MF$ 0.65

TERRAIN, UTAH
CLIMATOLOGICAL REPORT NO. 3, DUGWAY VICINITY.
AD-648 358 4B U67 09 HC$ 3.00 MF$ 0.65

TERRESTRIAL MAGNETISM, ANOMALIES
ACTA GEOPHYSICA SINICA, VOL. XV, NO. 1, 1966. TRANSLATED TITLES AND ABSTRACTS OF ARTICLES.
AD-648 160 8G U67 09 HC$ 3.00 MF$ 0.65

TERRESTRIAL MAGNETISM, METEORS
METEOR-INDUCED MICROPULSATIONS.
AD-648 349 4A U67 09 HC$ 3.00 MF$ 0.65

TERRESTRIAL RADIATION
THE LOW-ENERGY CHARGED PARTICLE ENVIRONMENT OF THE EARTH.
N67-18353 4A S05 08 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT
DESIGN OF A SINGLE AXIS SIMULATOR FOR SATELLITE CONTROL SYSTEM TESTING AND FOR LOW TORQUE MEASUREMENT.
N67-18635 14B S05 08 HC$ 3.00 MF$ 0.65

FABRICATION PROCESS DEVELOPMENTS OF A STRUCTURAL MODEL FOR RESEARCH ON HYDROGEN- FUELED HYPERSONIC VEHICLES.
N67-18688 22H S05 08 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT(ELECTRONICS), RAILROAD CARS
CARLOADING STUDIES, UTILIZING U.S. NAVY TEST AND INSTRUCTIONAL BOX CAR USNX 9000.
AD-648 337 14B U67 09 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT, FUZES(ORDNANCE)
AN ARTILLERY SIMULATOR FOR FUZE EVALUATION.
AD-648 411 19A U67 09 HC$ 3.00 MF$ 0.65

TEST EQUIPMENT, LOADING(MECHANICS)
A DYNAMICAL BIAXIAL TESTING MACHINE.
AD-647 945 14B U67 09

TEST FACILITY
STUDY OF CELESTIAL/INERTIAL TEST FACILITY FINAL REPORT.
N67-18698 14B S05 08 HC$ 3.00 MF$ 0.65

TEST METHOD
SINGLE PARAMETER TESTING QUARTERLY REPORT.
N67-18543 9F S05 08 HC$ 3.00 MF$ 0.65

COLD MOLECULAR WELDING STUDY QUARTERLY REPORT, 15 SEP. - 15 DEC. 1966.
N67-18942 13H S05 08 HC$ 3.00 MF$ 0.65

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N67-19192 6C S05 08 HC$ 3.00 MF$ 0.65

TEST PROGRAM
AN INTRODUCTION TO THE EVALUATION OF RELIABILITY PROGRAMS.
N67-19275 14D S05 08 HC$ 3.00 MF$ 0.65

TEST SETS, CALIBRATION
AN/USM-23 ELECTRON TUBE TEST SET.
PB-174 253 9C U67 09 HC$ 3.00 MF$ 0.65

TORQUE INDICATOR TEST SET AN/ASM-206(XN-1).
PB-174 304 9C U67 09 HC$ 3.00 MF$ 0.65

THEOREMS, FUNCTIONAL ANALYSIS
GENERALIZED FUNCTIONS PART I. REPRESENTATION THEOREMS FOR SOME STANDARD FUNCTION SPACES - AN INTRODUCTION TO FUNCTIONAL ANALYSIS.
AD-648 383 12A U67 09 HC$ 3.00 MF$ 0.65

THEORETICAL PHYSICS
THE 3/2MINUS YIELDS 1/2MINUS MIRROR TRANSITIONS IN MASS 15.
N67-19270 20H S05 08 HC$ 3.00 MF$ 0.65

THERAPY, SHOCK(PATHOLOGY)
THE IMPACT OF SCIENTIFIC FINDINGS UPON THE NURSING CARE OF PATIENTS IN SHOCK.
AD-648 298 6E U67 09

THERMAL CONDUCTOR
CHARGED PARTICLE TEMPERATURES AND ELECTRON THERMAL CONDUCTIVITY IN THE UPPER ATMOSPHERE SCIENTIFIC REPORT NO. 276.
N67-19124 4A S05 08 HC$ 3.00 MF$ 0.65

THERMAL CYCLING
EVALUATION OF REFRACTORY/AUSTENITIC BIMETAL COMBINATIONS THIRD PROGRESS REPORT, DEC. 22, 1965 - JUN. 22, 1966.
N67-18742 11F S05 08 HC$ 3.00 MF$ 0.65

THERMAL DECOMPOSITION
THE RADIATION AND THERMAL DECOMPOSITION OF TERPHENYLS AND HYDROTERPHENYLS (A SUMMARY OF CANADIAN EXPERIENCE).
N67-19178 7E S05 08 HC$ 3.00 MF$ 0.65

THE RADIOLYTIC AND PYROLYTIC DECOMPOSITION OF ORGANIC COOLANTS, VII - THE PYROLYSIS OF HIGH BOILING RESIDUE.
N67-19184 18J S05 08 HC$ 3.00 MF$ 0.65

THERMAL EMISSION
DIRECTIONAL CHARACTERISTICS OF LUNAR THERMAL EMISSION.
N67-18973 3B S05 08 HC$ 3.00 MF$ 0.65

THERMAL INSULATION
EVALUATION OF CRYOGENIC INSULATION MATERIALS AND COMPOSITES FOR USE IN NUCLEAR RADIATION ENVIRONMENTS QUARTERLY PROGRESS REPORT, 30 JUN. - 30 SEP. 1966.
N67-19129 11G S05 08 HC$ 3.00 MF$ 0.65

THERMAL PROTECTION
STUDY OF THERMAL PROTECTION REQUIREMENTS FOR A LIFTING BODY ENTRY VEHICLE SUITABLE FOR NEAR-EARTH MISSIONS FINAL REPORT.
N67-18276 20M S05 08 HC$ 3.00 MF$ 0.65

STUDY OF THERMAL PROTECTION REQUIREMENTS FOR A LIFTING BODY ENTRY VEHICLE SUITABLE FOR NEAR-EARTH MISSIONS SUMMARY REPORT.
N67-18278 20M S05 08 HC$ 3.00 MF$ 0.65

THE LOW-ENERGY CHARGED PARTICLE ENVIRONMENT OF THE EARTH.
N67-18353 4A S05 08 HC$ 3.00 MF$ 0.65

THERMAL RADIATION
ON THE LIMB DARKENING OF PLANETARY ATMOSPHERES IN THE THERMAL INFRARED.
N67-18280 3B S05 08 HC$ 3.00 MF$ 0.65

SPECTRAL MEASUREMENTS FROM 1.6 TO 5.4 MICRONS OF NATURAL SURFACES AND CLOUDS.
N67-18691 4A S05 08 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, GASES
RADIATIVE TRANSFER IN A GAS OF UNIFORM PROPERTIES IN LOCAL THERMODYNAMIC EQUILIBRIUM. PART I. ARSORPTION COEFFICIENTS IN NONHYDROGENIC GASES.
AD-648 398 20M U67 09 HC$ 3.00 MF$ 0.65

RADIATIVE TRANSFER IN A GAS OF UNIFORM PROPERTIES IN LOCAL THERMODYNAMIC EQUILIBRIUM. PART 2. RELATIVE LINE INTENSITIES AND THE TREATMENT OF WEAK LINES.
AD-648 399 20M U67 09 HC$ 3.00 MF$ 0.65

RADIATIVE TRANSFER IN A GAS OF UNIFORM PROPERTIES IN LOCAL THERMODYNAMIC EQUILIBRIUM. PART 3. A DETAILED CALCULATION FOR NITROGEN.
AD-648 400 20M U67 09 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, HEAT TRANSFER
RADIANT HEATING SIMULATION.
AD-648 619 14B U67 09 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, INTEGRAL EQUATIONS
LOCAL RADIATION EQUILIBRIUM TEMPERATURES IN SEMIGRAY ENCLOSURES.
AD-648 811 20M U67 09 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, NAVIGATION SATELLITES
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AD-648 307 22B U67 09 HC$ 3.00 MF$ 0.65

THERMAL RADIATION, STAGNATION POINT
RADIANT HEAT TRANSFER IN THE VICINITY OF THE STAGNATION POINT OF A BLUNT BODY.
AD-648 350 20M U67 09 HC$ 3.00 MF$ 0.65

THERMAL STRESS
ALLEVIATION OF THERMAL STRESSES IN AIRCRAFT STRUCTURES.
N67-18279 1C S05 08 HC$ 3.00 MF$ 0.65

THERMIONIC EMISSION, RHENIUM
SURFACE BARRIER ANALYSIS FOR RHENIUM FROM PERIODIC DEVIATIONS IN THE THERMIONIC SCHOTTKY EFFECT.
AD-648 608 20C U67 09

THERMISTORS, CALIBRATION
WAVEGUIDE THERMISTOR MOUNTS WR-284 (2.6 TO 3.95 GHZ), WR-187 (3,95 TO 5,85 GHZ), WR-137 (5.85 TO 8.2 GHZ), WR-112 (7,05 TO 10.0 GHZ), WR-90 (8.2 TO 12.4 GHZ), WR-62 (12.4 TO 18.0 GHZ).
PB-174 255 9C U67 09 HC$ 3.00 MF$ 0.65

THERMOCONDUCTIVITY
THE THERMAL CONDUCTIVITIES OF SEVERAL METALS - AN EVALUATION OF A METHOD EMPLOYED BY THE NATIONAL BUREAU OF STANDARDS.
N67-19030 20M S05 08 HC$ 3.00 MF$ 0.65

THERMAL CONDUCTION AND ION TEMPERATURES IN THE IONOSPHERE.
N67-19066 4A S05 08 HC$ 3.00 MF$ 0.65

THERMODYNAMICS
COMPUTER PROGRAM FOR DESIGN-POINT PERFORMANCE OF TURBOJET AND TURBOFAN ENGINE CYCLES.
N67-18399 21F S05 08 HC$ 3.00 MF$ 0.65

THERMODYNAMICS, NUMERICAL ANALYSIS
ON A CONTINUOUS METHOD OF APPROXIMATING SOLUTIONS OF THE HEAT EQUATION.
AD-648 310 20M U67 09 HC$ 3.00 MF$ 0.65

THERMODYNAMICS, REFRACTORY MATERIALS
THERMODYNAMICS OF CERTAIN REFRACTORY COMPOUNDS. VOLUME II. THERMODYNAMIC TABLES, BIBLIOGRAPHY, AND PROPERTY FILE SECTIONS VII, VIII, IX.
AD-647 955 11B U67 09 MF$ 0.65

THERMONUCLEAR REACTIONS, PLASMA PHYSICS
STATUS REPORT OF THE LASL CONTROLLED THERMONUCLEAR RESEARCH PROGRAM FOR 12 MONTH PERIOD ENDING OCTOBER 31, 1966.
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THIN FILM
EFFECT OF RADIATION ON THE STABILITY OF SILICON NITRIDE AND METAL NITRIDE SEMICONDUCTOR FET DEVICE QUARTERLY REPORT, 1 JUL. - 1 OCT, 1966.
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STUDY OF THIN FILM LARGE AREA PHOTOVOLTAIC SOLAR ENERGY CONVERTER FINAL REPORT.
N67-18632 10A S05 08 HC$ 3.00 MF$ 0.65

RESEARCH AND DEVELOPMENT OF SUPERCONDUCTING THIN FILMS FINAL REPORT, 15 DEC. 1965 - 15 DEC. 1966.
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THIN- FILM PERSONAL COMMUNICATIONS AND TELEMETRY SYSTEM (TFPCTS), PHASE B QUARTERLY REPORT, SEP. 24 - DEC. 24, 1966.
N67-18729 9F S05 08 HC$ 3.00 MF$ 0.65

STUDY HIGH DIELECTRIC CONSTANT THIN FILM CAPACITOR MATERIALS FINAL REPORT.
N67-18946 9A S05 08 HC$ 3.00 MF$ 0.65

THIN WALLED SHELL
VIBRATION AND BUCKLING OF PRESTRESSED SHELLS OF REVOLUTION,
N67-18637 20K S05 08 HC$ 3.00 MF$ 0.65

INVESTIGATION OF DYNAMIC BEHAVIOR OF THIN SPHERICAL SHELLS SEMIANNUAL TECHNICAL PROGRESS REPORT, 1 AUG. 1966 - 31 JAN. 1967.
N67-19091 20K S05 08 HC$ 3.00 MF$ 0.65

THIOLS, BLOOD CHEMISTRY
THE EFFECT OF OXYGEN ON DOG PLASMA SULFHYDRYL GROUPS IN VITRO,
AD-648 127 6A U67 09 HC$ 3.00 MF$ 0.65

THORAX, ANOMALIES
CONGENITAL FUNNEL CHEST IN CHILDREN,
AD-648 488 6E U67 09 HC$ 3.00 MF$ 0.65

THREE-BODY PROBLEM
RESEARCH IN STABILITY OF PERIODIC MOTIONS QUARTERLY PROGRESS REPORT, 5 AUG. - 4 NOV, 1966.
N67-19029 12A S05 08 HC$ 3.00 MF$ 0.65

ROTATING EMISSION RING IN BINARY SYSTEMS,
N67-19034 3C S05 08 HC$ 3.00 MF$ 0.65

THRESHOLDS(PHYSIOLOGY), AIRPLANE NOISE
NOISINESS JUDGMENTS OF HELICOPTER FLYOVERS,
AD-648 503 6P U67 09 HC$ 3.00 MF$ 0.65

THROAT
NUMERICAL SOLUTION OF THE FLOW FIELD IN THE THROAT REGION OF A NOZZLE,
N67-19355 1A S05 08 HC$ 3.00 MF$ 0.65

THRUST VECTOR CONTROL (TVC)
THRUST VECTOR CONTROL REQUIREMENTS FOR SOLID- PROPELLANT LAUNCH VEHICLES.
N67-18966 22D S05 08 HC$ 3.00 MF$ 0.65

THYROID GLAND, IMMUNITY
INFLUENCE OF THE FUNCTION OF THE THYROID GLAND ON THE SUSCEPTIBILITY OF WHITE RATS TO PLAGUE INFECTION,
AD-648 099 6E U67 09 HC$ 3.00 MF$ 0.65

TICKS, COLLECTING METHODS
THERMO-ELECTOR WITH WATER JACKET HEATING FOR TAKING THE LARVAE AND NYMPHS OF IXODIDAE OFF OF ANIMALS AND GAMASIDAE FROM NESTING MATERIAL.
AD-648 113 6C U67 09 HC$ 3.00 MF$ 0.65

TIME FUNCTION
A REPRESENTATION OF THE PERIGEE MOTION OF A SATELLITE AS A FUNCTION OF LOCAL TIME.
N67-18763 22C S05 08 HC$ 3.00 MF$ 0.65

TIME STUDIES, INSTRUCTION MANUALS
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AD-648 697 5I U67 09

TIRES, ACCEPTABILITY
NON-SKID FORK TRUCK TIRES,
AD-648 008 13F U67 09 HC$ 3.00 MF$ 0.65

TIROS IV SATELLITE
A QUASI-GLOBAL ANALYSIS OF TROPOSPHERIC WATER VAPOR CONTENT FROM TIROS IV RADIATION DATA.
N67-18739 03U S05 08 HC$ 3.00 MF$ 0.65

TISSUE
A NOTE ON THE GALACTIC RADIATION EXPOSURE IN GEOMAGNETICALLY UNPROTECTED REGIONS OF SPACE.
N67-18510 22A S05 08 HC$ 3.00 MF$ 0.65

TITANATE
DEVELOPMENT OF SPACE-STABLE THERMAL-CONTROL COATINGS.
N67-18517 11C S05 08 HC$ 3.00 MF$ 0.65

TITANATES, PIEZOELECTRIC CRYSTALS
EFFECTS OF ONE-DIMENSIONAL PRESSURE ON THE PROPERTIES OF SEVERAL TRANSDUCER CERAMICS,
AD-648 200 9A U67 09

TITANIUM ALLOY
PHASE-DIAGRAM STRUCTURE OF THE TITANIUM- COPPER SYSTEM.
N67-18925 11F S05 08 HC$ 3.00 MF$ 0.65

INVESTIGATION OF FATIGUE CRACK GROWTH IN TI- 8 AL-1 MO-1 V (DUPLEX-ANNEALED) SPECIMENS HAVING VARIOUS WIDTHS.
N67-18965 20K S05 08 HC$ 3.00 MF$ 0.65

THE MECHANISMS OF STRESS CORROSION OF THE TITANIUM ALLOY TI 8-1-1 EXPOSED TO SALT ENVIRONMENTS AT ELEVATED TEMPERATURES FINAL REPORT.
N67-19097 11F S05 08 HC$ 3.00 MF$ 0.65

TITANIUM ALLOYS, ROCKET CASES
RESEARCH AND DEVELOPMENT OF TITANIUM ROCKET MOTOR CASE.
AD-648 148 21H U67 09 HC$ 3.00 MF$ 0.65

TITANIUM ALLOYS, SHEETS
METASTABLE BETA SHEET ALLOY TI-8MO-8V-2FE-3AL, PART I.
AD-648 244 11F U67 09 HC$ 3.00 MF$ 0.65

SCREENING AND SELECTION OF CANDIDATE SHEET ALLOYS. PART II.
AD-648 245 11F U67 09 HC$ 3.00 MF$ 0.65

TITANIUM COMPOUNDS, GLASS
TITANIUM CHALCOGENIDE INFRARED TRANSMITTING GLASSES.
AD-648 076 11B U67 09 HC$ 3.00 MF$ 0.65

TOLERANCES(MECHANICS), PROBABILITY
TECHNIQUES FOR APPLYING PRORARILITY TO THE TOLERANCING OF MACHINED DIMENSIONS,
PB-174 202 13M U67 09 HC$ 3.00 MF$ 0.65

TOLUENES, MOLECULAR ISOMERISM
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AD-647 927 7C U67 09

TOPOLOGY, GRAPHICS
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AD-648 133 12A U67 09 HC$ 3.00 MF$ 0.65

TORQUE MEASURING APPARATUS
DESIGN OF A SINGLE AXIS SIMULATOR FOR SATELLITE CONTROL SYSTEM TESTING AND FOR LOW TORQUE MEASUREMENT.
N67-18635 14B S05 08 HC$ 3.00 MF$ 0.65

TORQUE, TEST EQUIPMENT
TORQUE TEST FOR EVALUATING THE QUALITY OF ALUMINUM ALLOY MELTS,
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N67-18723 6P S05 08 HC$ 3.00 MF$ 0.65

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N67-19092 6N S05 08 HC$ 3.00 MF$ 0.65

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PRESSURE RADIATED BY A POINT-EXCITED ELASTIC PLATE.
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STUDIES OF (A) THE VISUAL FIELDS OF MONKEYS. (B) MEMORY PROCESSES AS AFFECTED BY CEREBRAL LESIONS IN MONKEYS,
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TOWARD THE DESIGN OF A GROUP A PRELIMINARY MODEL,
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CASE INST OF TECH CLEVELAND OHIO
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CHECCHI AND CO., WASHINGTON, D. C.
THE FUTURE OF TOURISM IN EAST ST LOUIS.
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THE OPERATIONAL EFFECTS OF AUTOMATIC RAMP CONTROL ON NETWORK TRAFFIC.
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AD-648 221 7D U67 09

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AD-648 471 7D U67 09

FIELD EMISSION IN LIQUIDS,
AD-648 472 20C U67 09

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AN ENTREPRENEURIAL THEORY OF FORMAL ORGANIZATIONS. PART I - PATTERNS OF FORMAL ORGANIZATIONS,
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AD-648 493 6A U67 09

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STUDY OF THIN FILM LARGE AREA PHOTOVOLTAIC SOLAR ENERGY CONVERTER FINAL REPORT,
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AN ANNOTATED BIBLIOGRAPHY AND RESEARCH REVIEW ON THE DEVELOPMENT OF A LONG RANGE PLAN FOR ENGINEERING RESEARCH ON FLEXIBLE PAVEMENTS,
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PHOALES PAGURI SP. NOV., A ROTIFER LIVING ON THE GILLS OF THE HERMIT CRAB PAGURUS BERNHARDUS (L.),
AD-648 176 6C U67 09

ON SOME AMPHIPOD SPECIES OF THE GENUS HAPLOOPS, WITH SPECIAL REFERENCE TO H. TUBICOLA LILJEBORG AND H. TENUIS SP. NOV. FROM THE OMESUND,
AD-648 177 6C U67 09

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LOW TEMPERATURE SURFACE EMISSION IN SEEDED COMBUSTION PRODUCTS,
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THREE-PHOTON PHOTOELECTRIC EFFECT IN GOLD.
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ECCENTRICALLY STIFFENED SHALLOW SHELLS OF DOUBLE CURVATURE,
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AN ANALYSIS OF A FIRST-ORDER POLYNOMIAL PREDICTOR FOR DATA COMPRESSION,
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OFF-DESIGN PERFORMANCE OF TWO ISENTROPIC PLUG NOZZLES DESIGNED FOR A PRESSURE RATIO OF 16,5,
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A COMPOSITE HIGH-RESOLUTION SOLAR SPECTRUM FROM 2080 TO 3600 A,
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STATE LEGISLATION AND REGULATIONS INVOLVING IONIZING RADIATION 1965,
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SIXTEEN-CHANNEL SILICON INTEGRATED-CIRCUIT ENCODER FOR THE ISIS A SATELLITE PARTICLE-COUNTING EXPERIMENT.
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HORIZONTAL SCANNING OF THE HEAD WITH ULTRASOUND.
AD-648 639 6L U67 09

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AKS REPLENISHMENT CAPABILITY SUMMARY PHOTOGRAPHIC REPORT, RECOMMENDATIONS AND RESULTS OF ALTERATIONS FOR IMPROVED STOWAGE FACILITIES AND MATERIALS HANDLING IN USS ALTAIR (AKS 32),
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3R U67 09

3R U67 09

3R U67 09

20C U67 09

20D U67 09

6P U67 09

22A U67 09

22A U67 09

17R U67 09

3A U67 09

12A U67 09

20L U67 09

7F U67 09

7D U67 09

7D U67 09

3A U67 09

7D U67 09

7D U67 09

7F U67 09

21R U67 09

11F U67 09

7D U67 09

20K U67 09

12A U67 09

20A U67 09

11F U67 09

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7D U67 09

7D U67 09 HC$ 3.00 MF$ 0.65

7D U67 09

12A U67 09

7D U67 09

20H U67 09

12A U67 09

5D U67 09

8K U67 09

7D U67 09

12A U67 09

12A U67 09

12A U67 09

12A U67 09

19D U67 09

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11F U67 09 HC$ 3.00 MF$ 0.65

20C U67 09

20L U67 09

20I U67 09

7D U67 09

12A U67 09

20J U67 09

9B U67 09

9B U67 09 HC$ 3.00 MF$ 0.65

12A U67 09

7C U67 09

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14B U67 09

12A U67 09

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20H U67 09

14B U67 09

7D U67 09

7C U67 09

20D U67 09

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14R U67 09

7D U67 09

11J U67 09

12A U67 09

12A U67 09

12A U67 09

14B U67 09

7C U67 09

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20K U67 09

20K U67 09

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12A U67 09

12A U67 09

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12B U67 09

20M U67 09

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PR-174 311
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WHOI-REF-67-5
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AD-648 548 6C U67 09 HC$ 3.00 MF$ 0.65
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